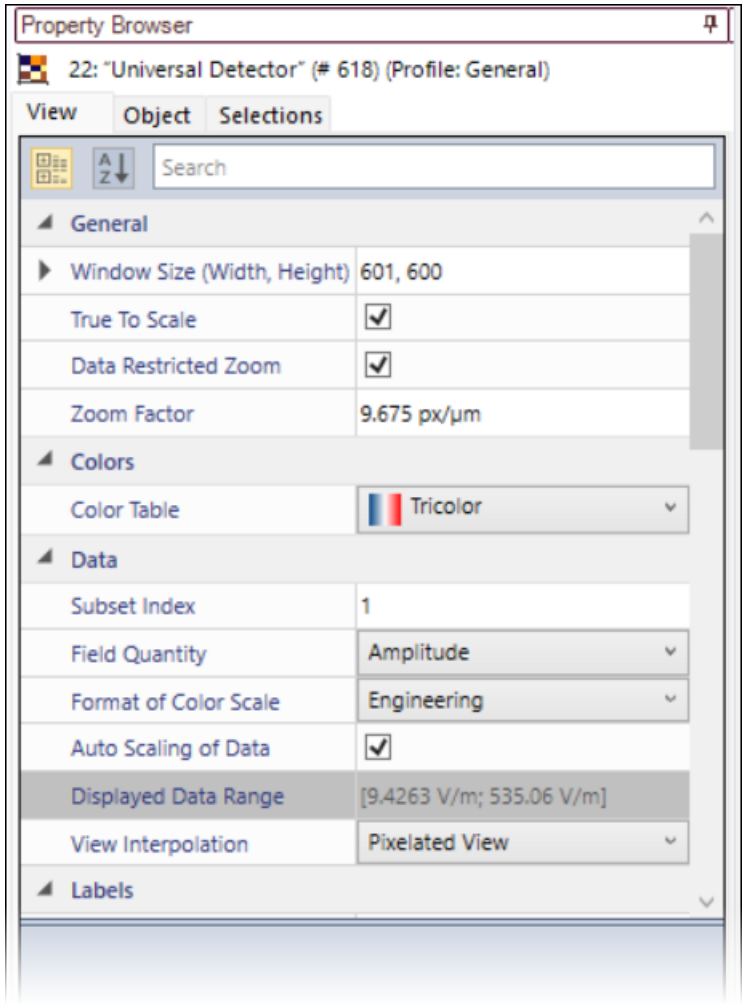
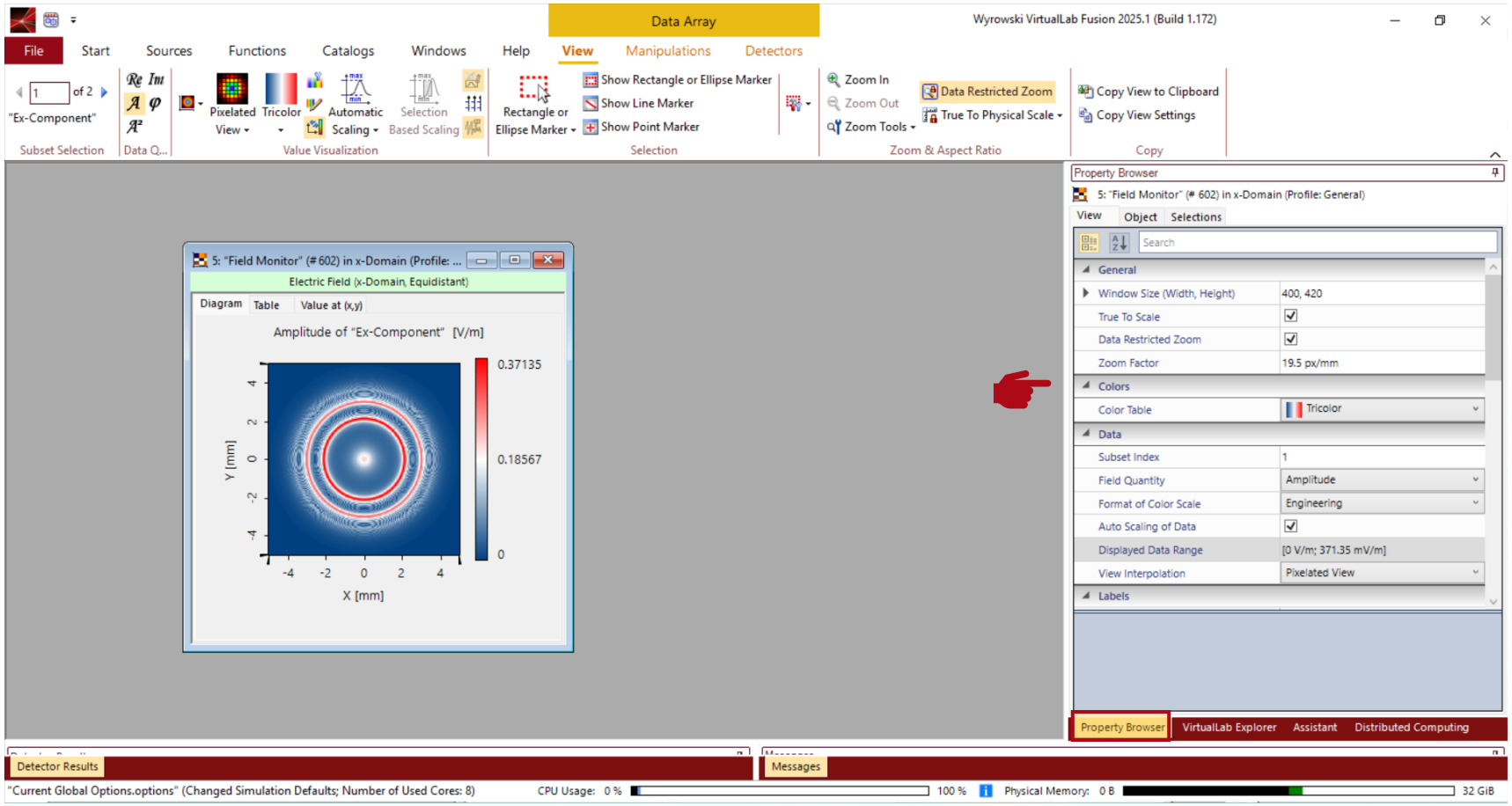
Working with the Property Browser

Abstract



When investigating any kind of result, a quick and easy access to all necessary information is key. For this purpose, VirtualLab Fusion uses the Property Browser to relay a complete summary of physical and numerical information about any selected object directly to the user.

Where to find the Property Browser?

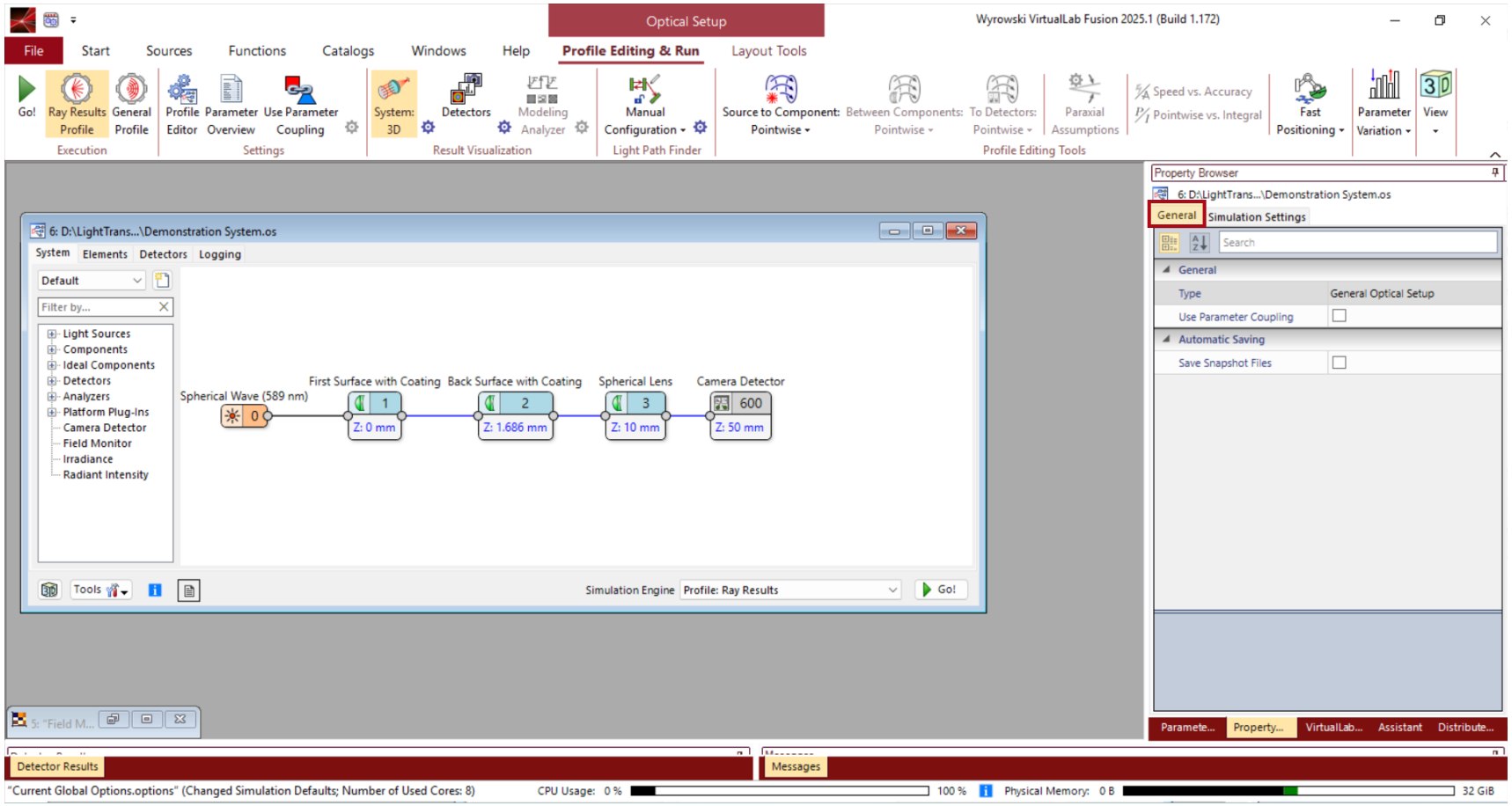


The *Property Browser* can be found at the right side of the main window. It shares the same panel with the *VirtualLab Explorer*, the *Assistant* and *Distributed Computing*.

The displayed options and properties are dependent on the type of active* document (e.g., data array, optical setup etc.).

**The active document is the last document the user have clicked on.*

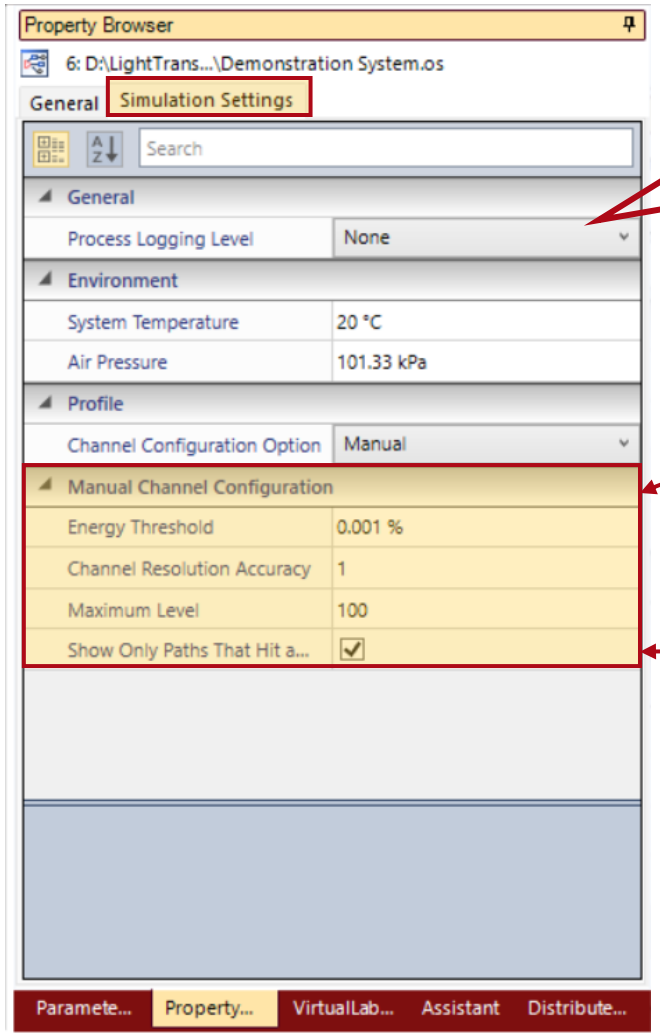
Property Browser for Optical Setups – General Tab



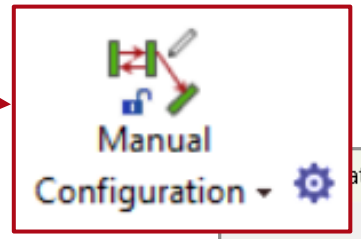
When an *Optical Setup* is the active document, the *Property Browser* contains two subsections, *General* and *Simulation Settings*.

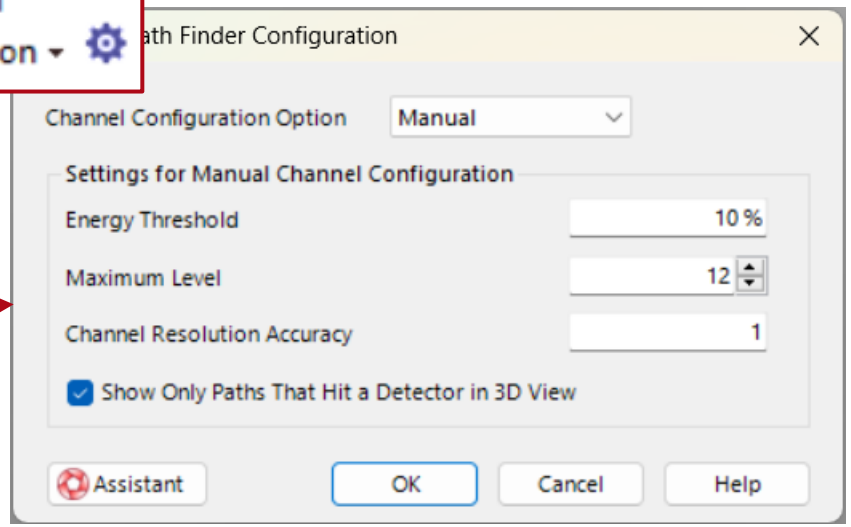
In the *General* section, users can activate or de-activate the *Parameter Coupling* as well as the automatic save function.

Property Browser for Optical Setups – Simulation Settings



For more information on *Logging Levels*, please see: Logging in VirtualLab Fusion

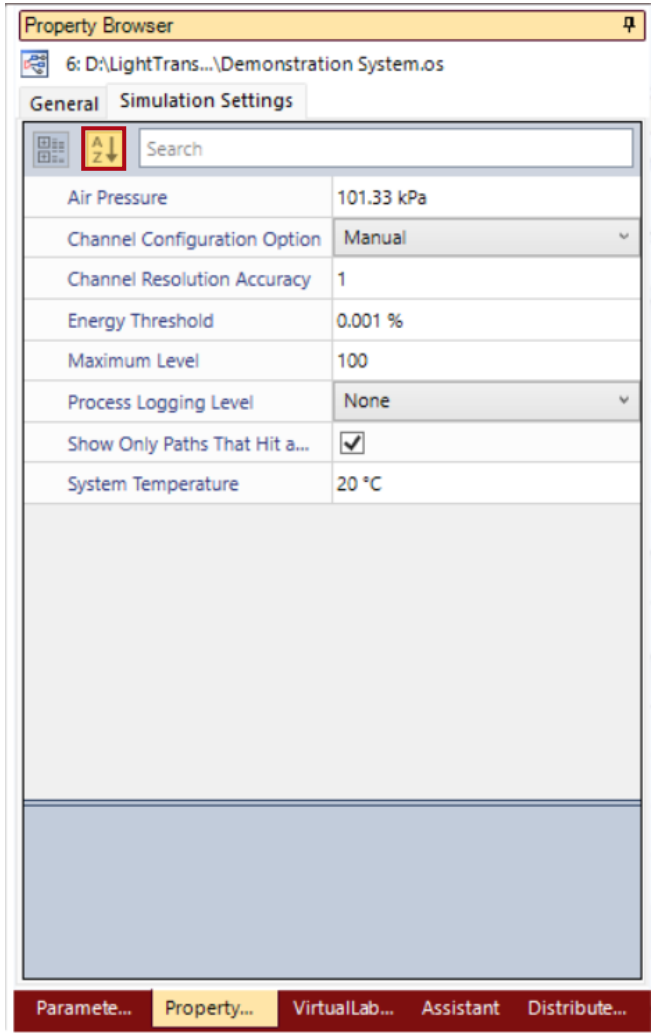


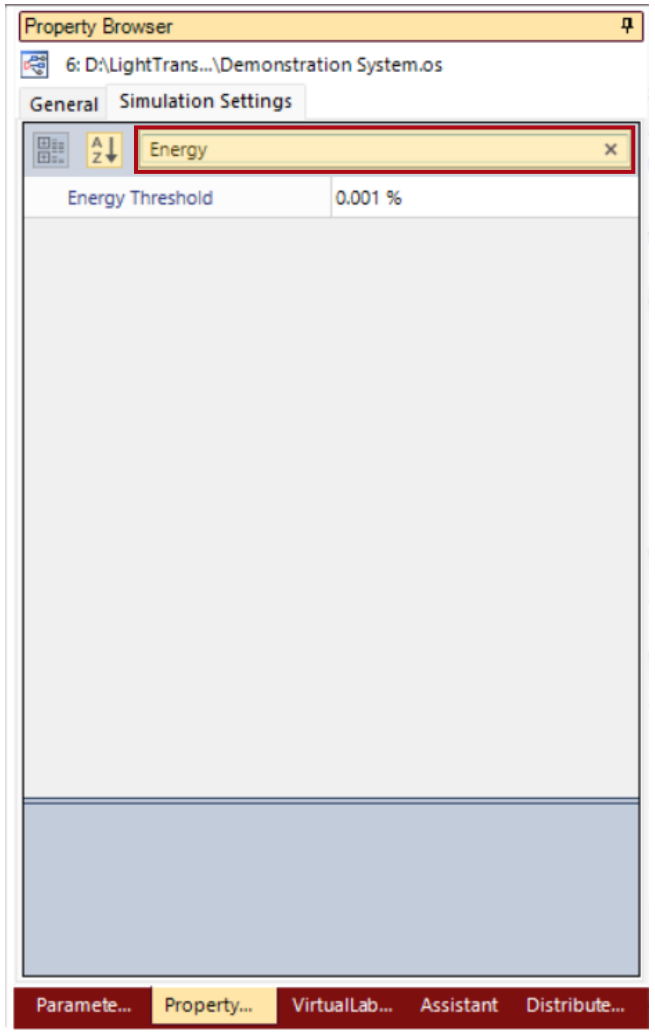


The *Simulation Settings* allow for control over the logging, environmental parameters and settings for non-sequential simulations. Though the latter will only appear if the parameter *Channel Configuration Option* is set to *Manual*.

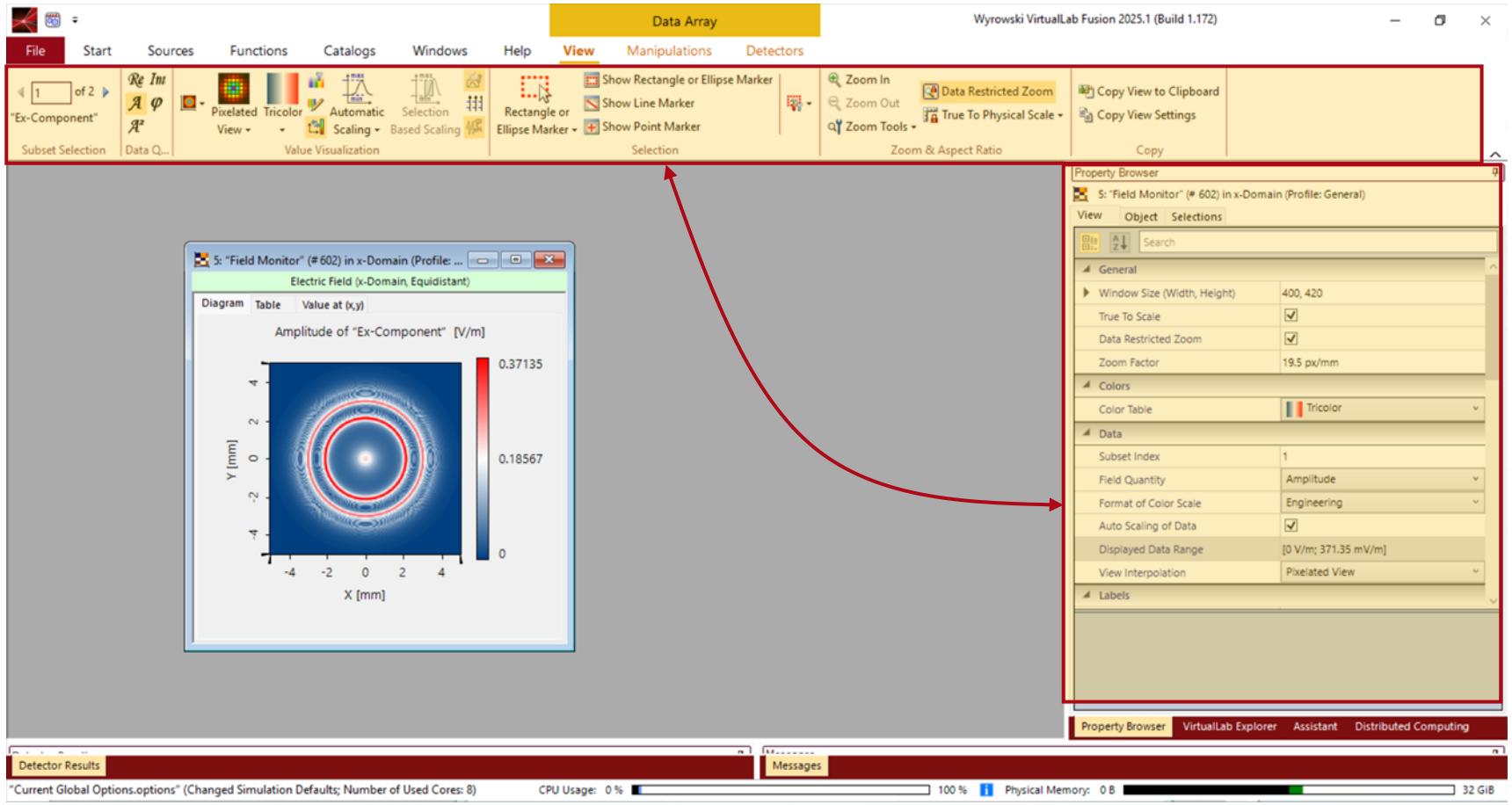
Alphabetical Order & Search Function

For better navigation, VirtualLab Fusion offers an alphabetically order function and a search function.





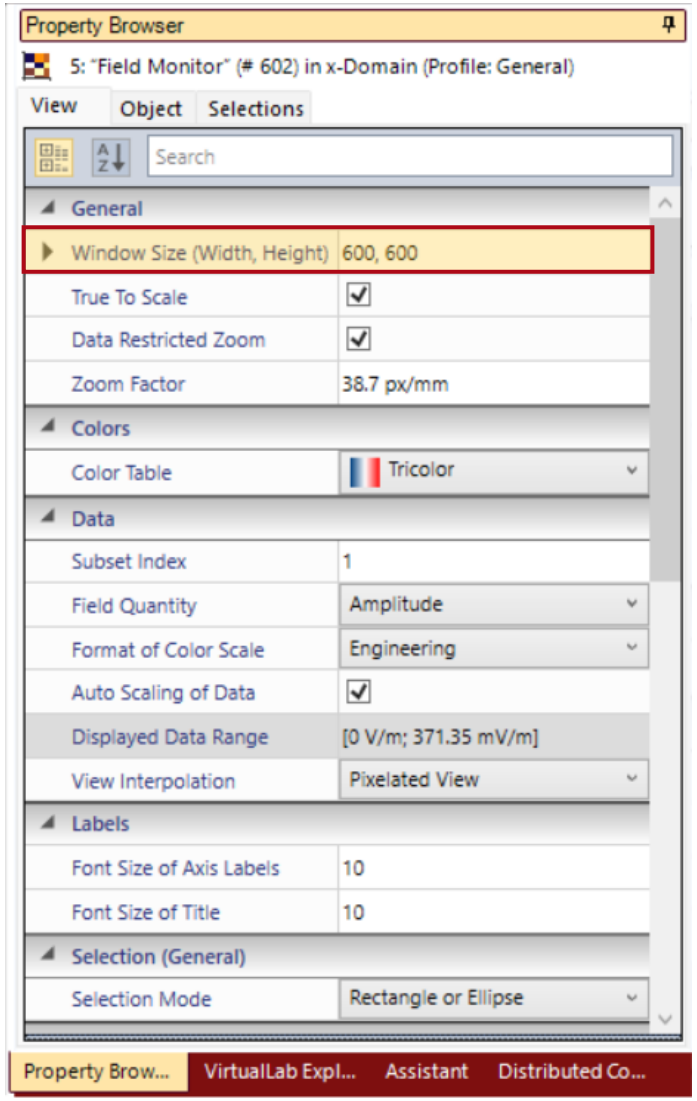
Property Browser for Data Arrays

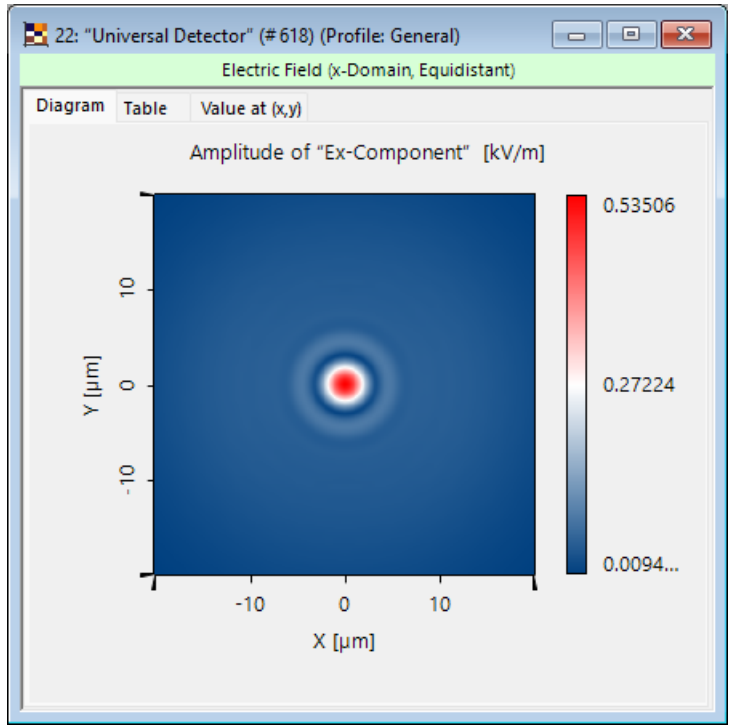


When an *Optical Setup* is the active document, the *Property Browser* contains two subsections, *General* and *Simulation Settings*.

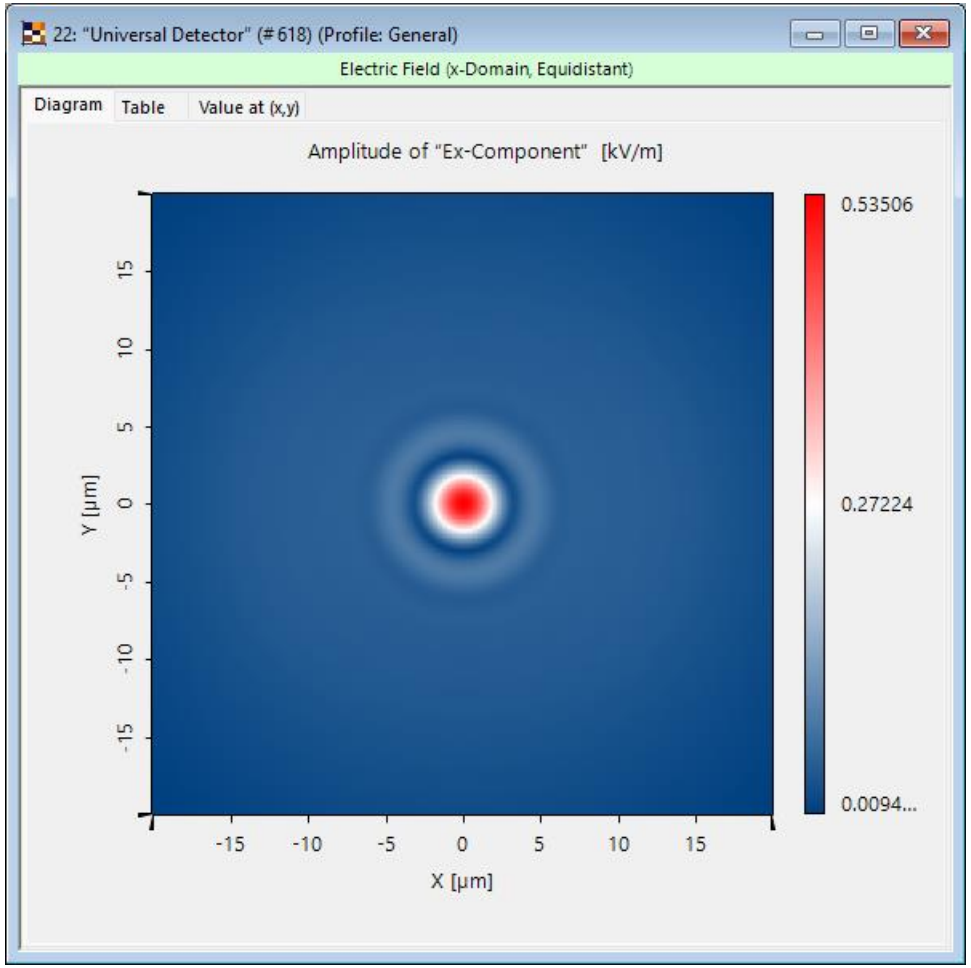
In the *General* section, users can activate or de-activate the *Parameter Coupling* as well as the automatic save function.

Window Size



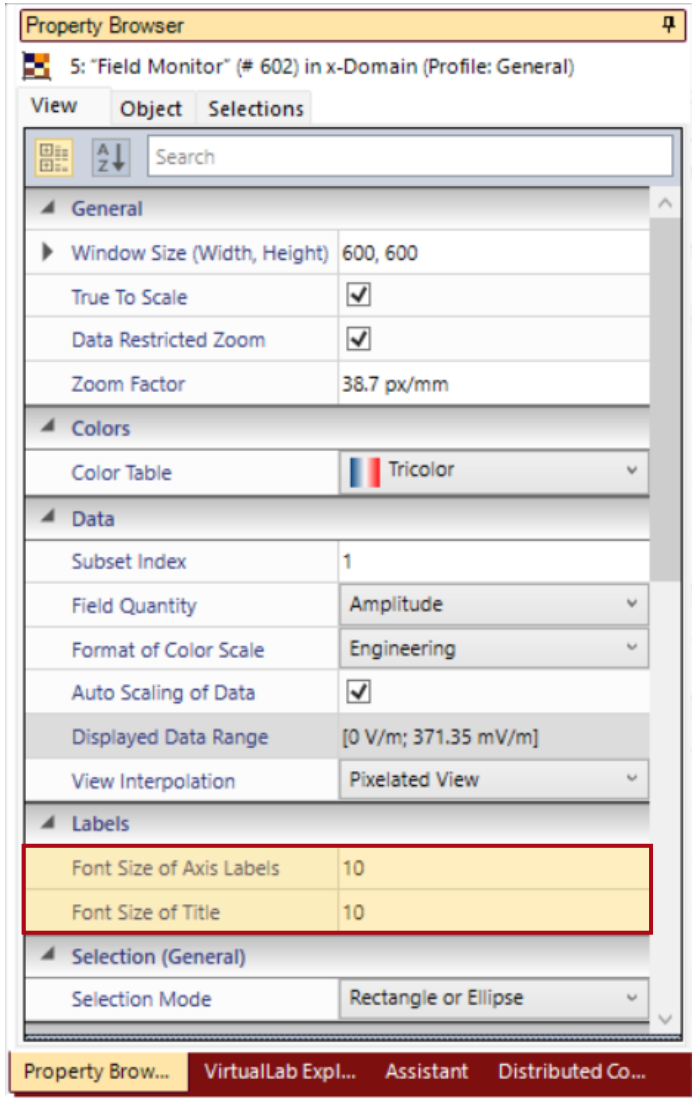


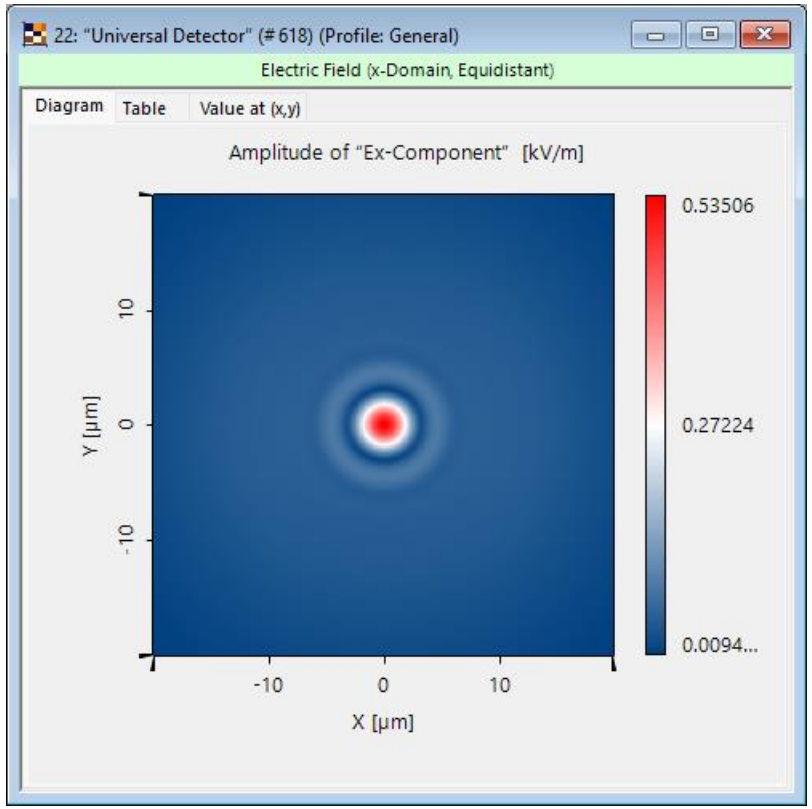
(400,400)



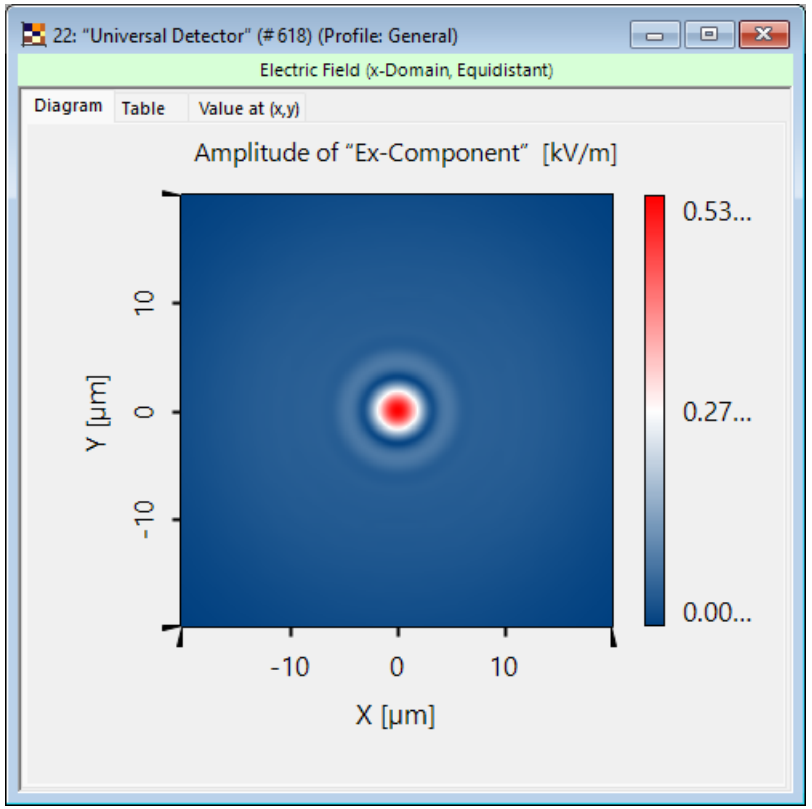
(600,600)

Label Size



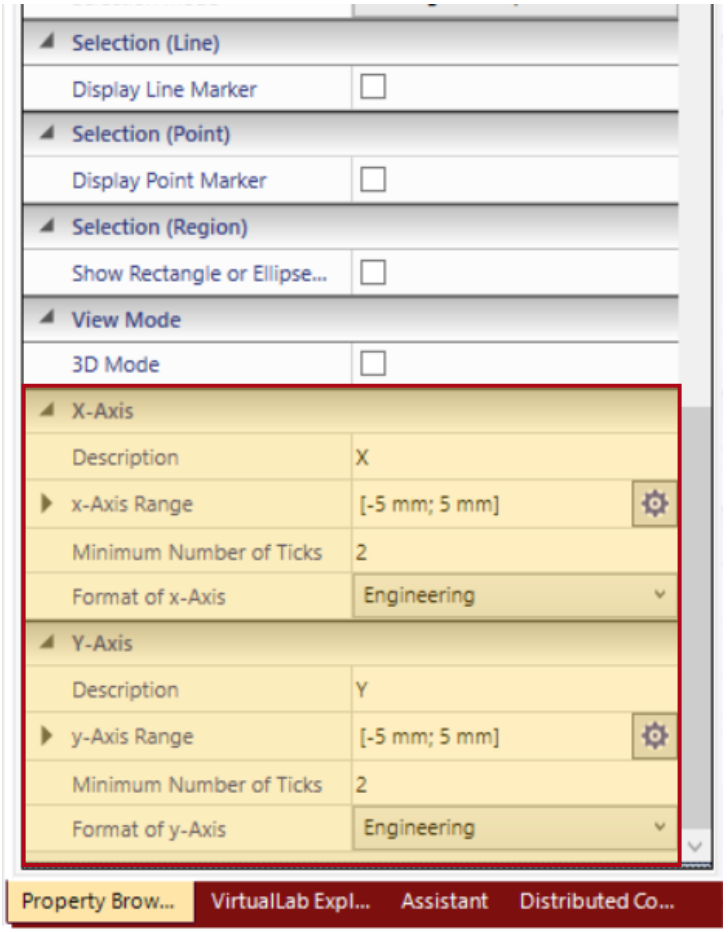


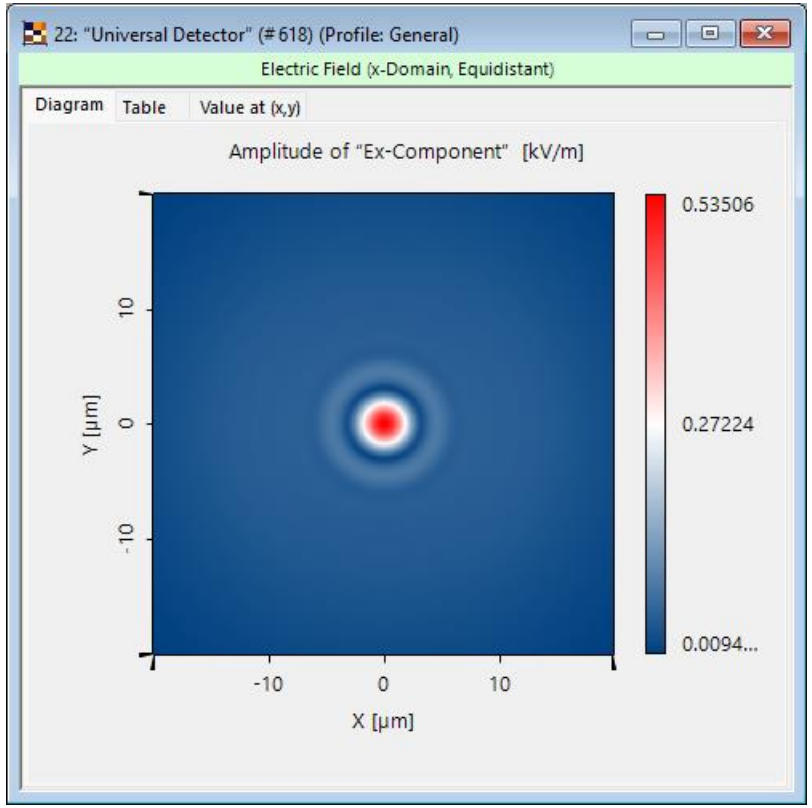
Labels	
Font Size of Axis Labels	10
Font Size of Title	10

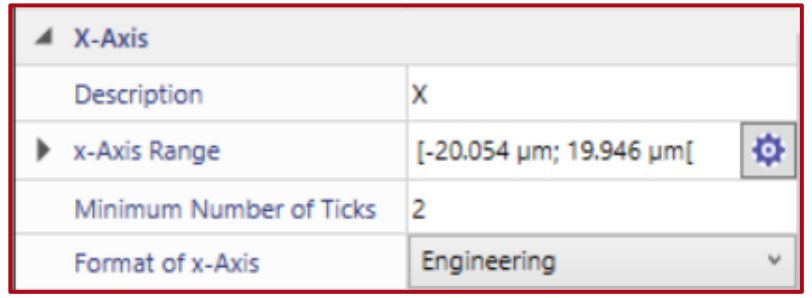


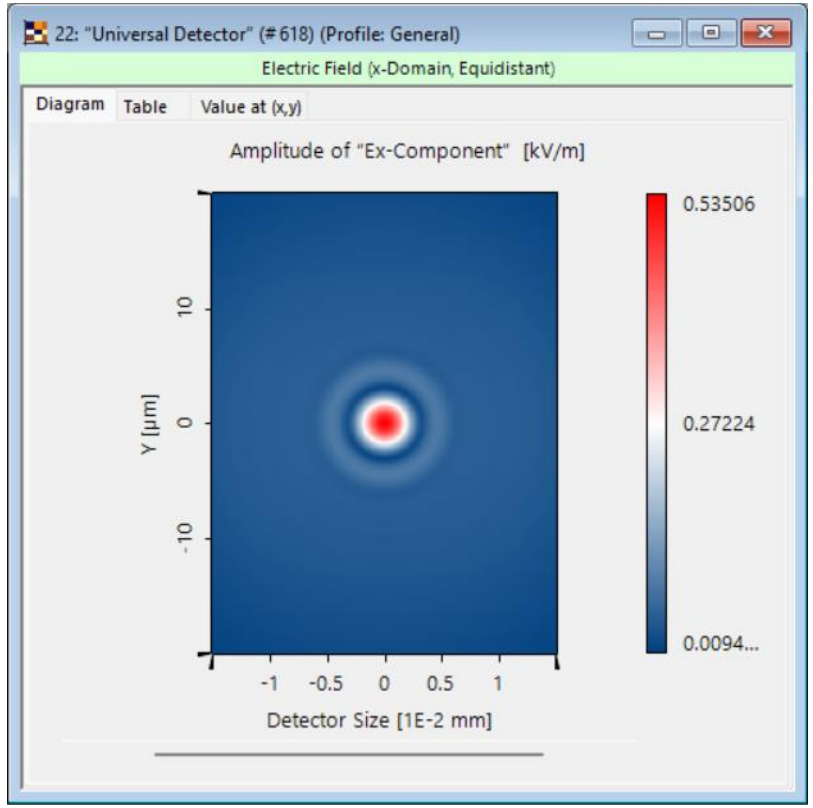
Labels	
Font Size of Axis Labels	13
Font Size of Title	13

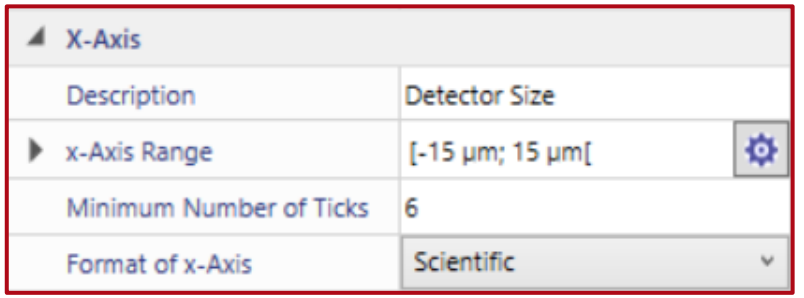
Axis Descriptions



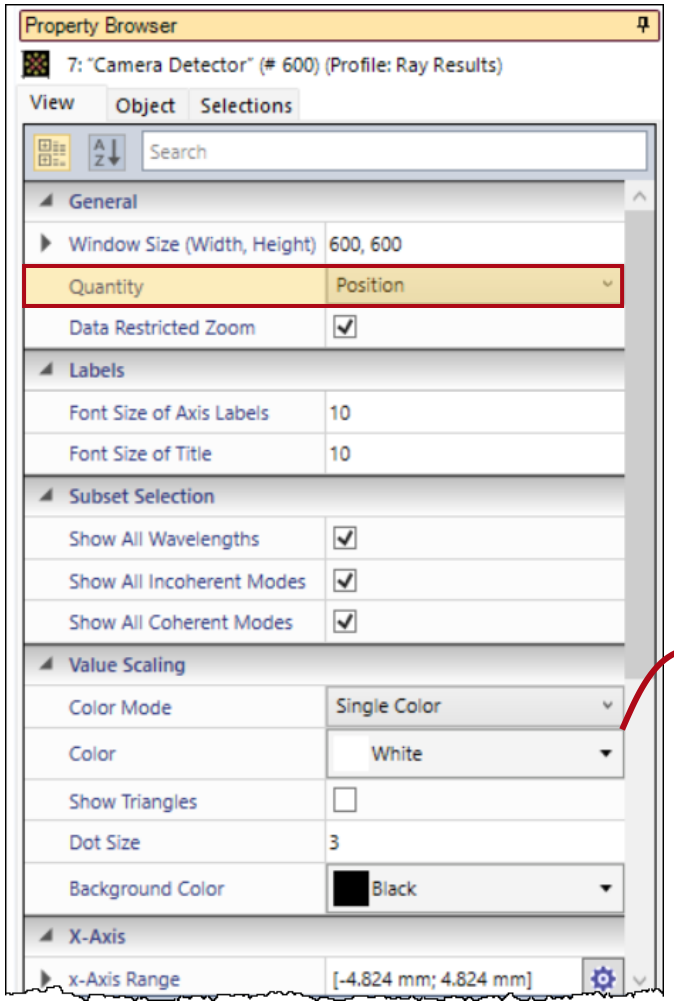




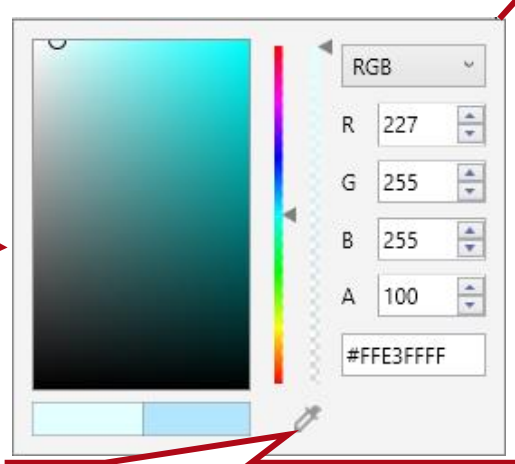




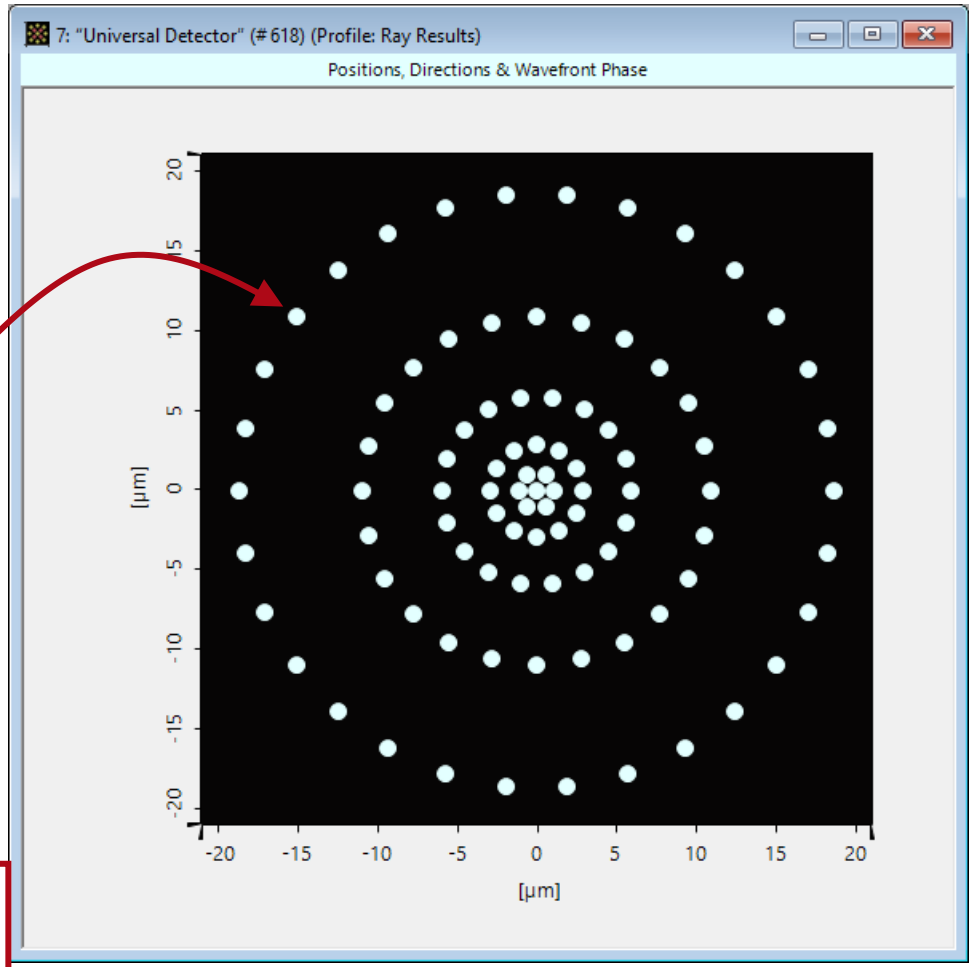
Ray & Background Color



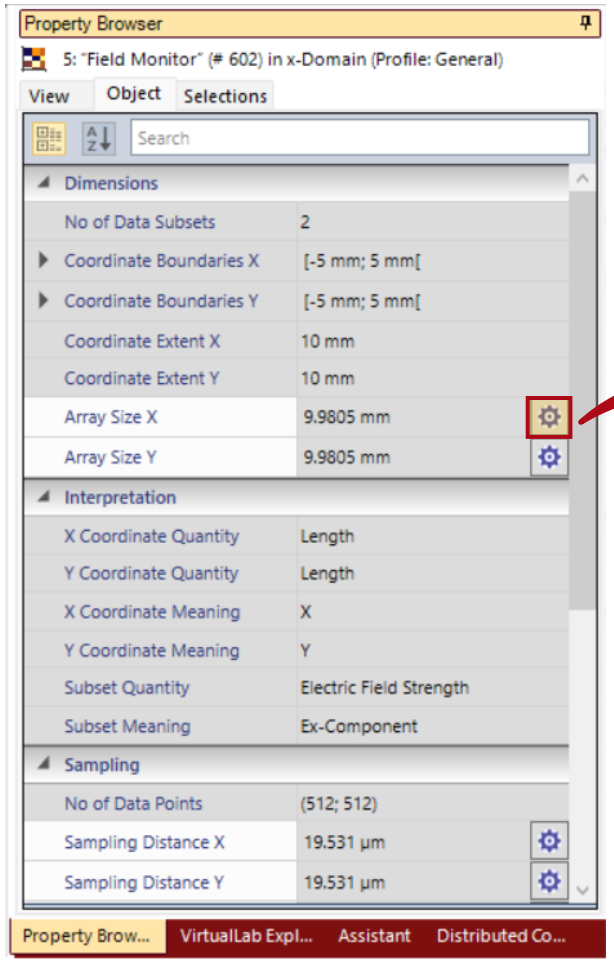
For *Position, Directions & Wavefront Phase* documents the color of the spots and background can be adjusted.



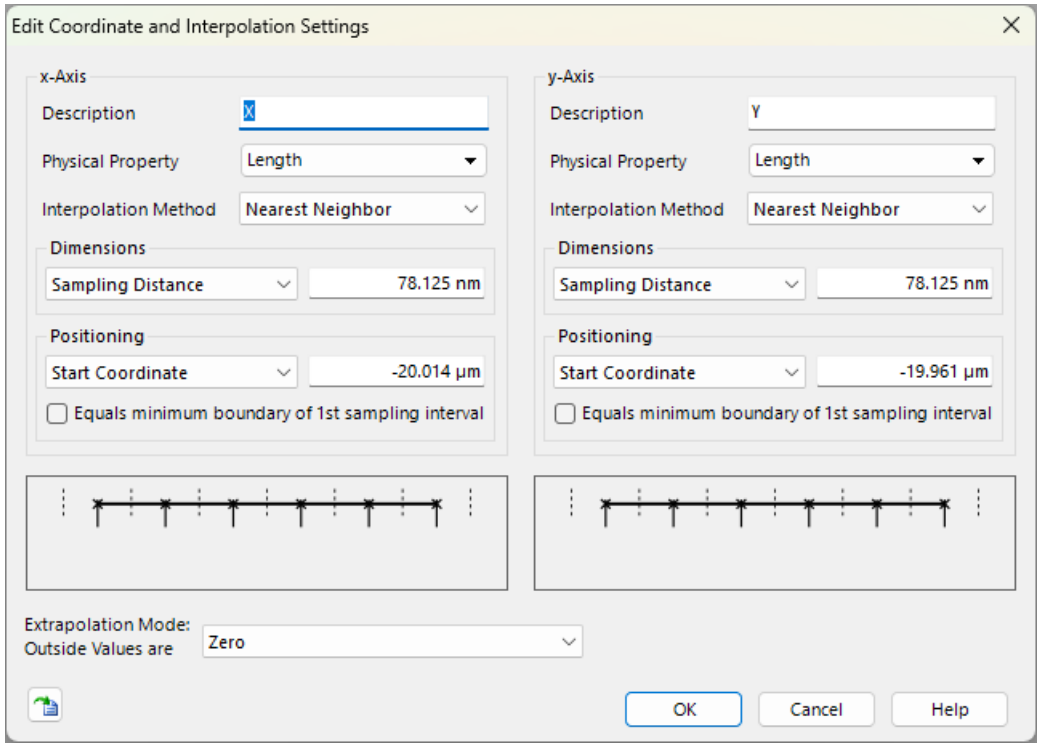
Use the pipette to pick a specific color from elsewhere on the screen!



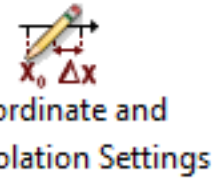
Object - Tab



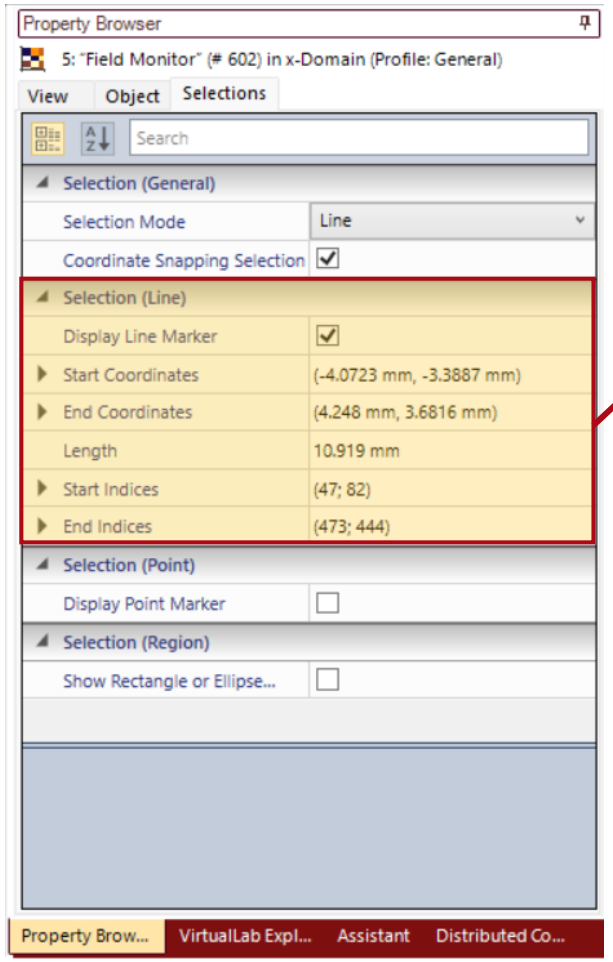
The *Object* tab of the *Property Browser* contains various numerical and sampling related information about the data array, including array sizes, axis units and number of sampling points.

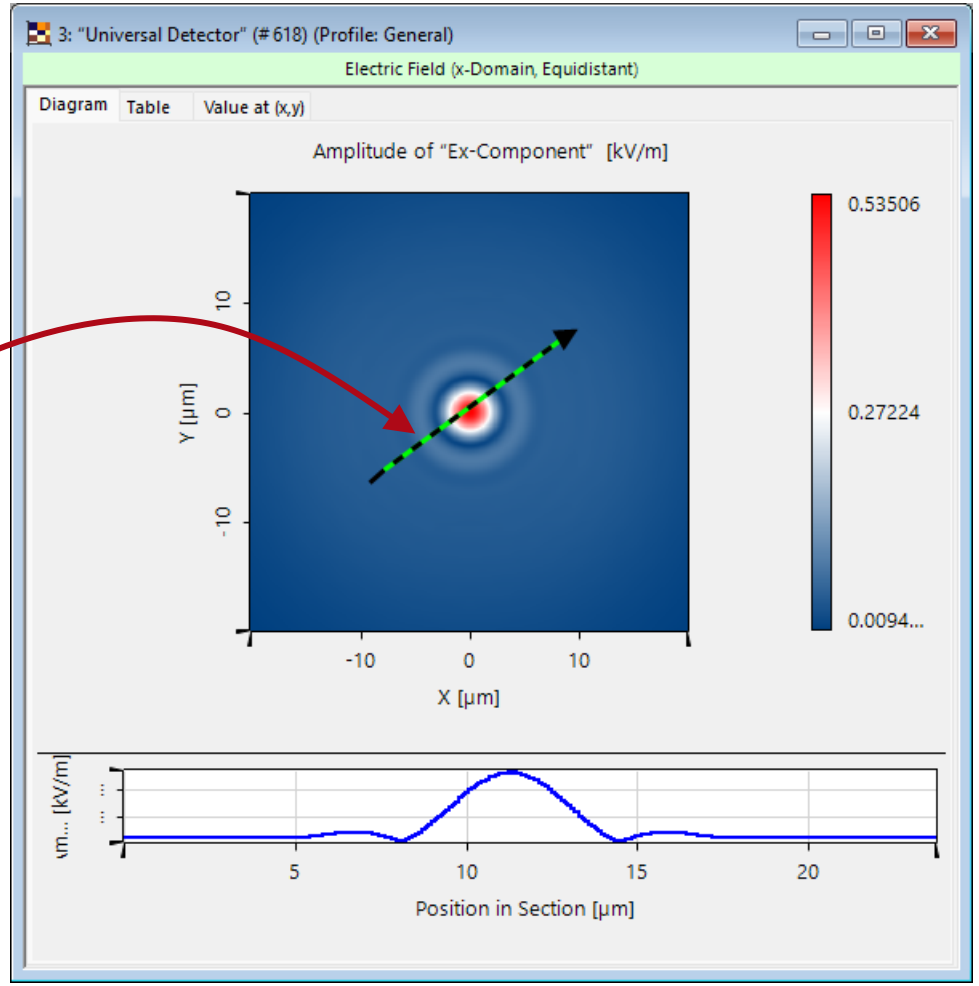


A click on the ⚙ button allows the user to directly change the corresponding parameter. The resulting window is the same as using the *Coordinate and Interpolation Settings* manipulation tool.



Selection - Tab





The *Object* tab of the *Property Browser* contains various numerical and sampling related information about the data array, including array sizes, axis units and number of sampling points.

Document Information

Title	Property Browser
Document code	TUT.0366
Publication date	08.07.2025
Required packages	-
Software version	-
Category	Tutorial
Further reading	- Logging in VirtualLab Fusion