TG-51 Elekta Photon Output Check

1. Perform steps (1)–(18) of TG-51 Elekta Solid Water Photon Calibration.

# In Physics

1. Make a copy of [TG-51 Elekta Photon Output Check Generic.xlsx](file:///T:\Physics%20-%20T\QA\TG-51%20(Output%20QA)\Datasheets\Elekta\Photons%20Cylindrical\TG-51%20Elekta%20Photon%20Output%20Check%20Generic). Name the copy <M/D/YYYY> TG-51 Elekta Photon Output Check.
2. In the copy, change the Elekta number and model name, if necessary. Fill in the date and your initials.

# In Elekta treatment room

1. Add 10 cm of solid water. Align the z lasers to edge of top of solid water phantom. When the z laser is properly aligned, you should see dust on top of the phantom.

# At Elekta console

1. Open the new Excel sheet on the rightmost computer at the Elekta console.
2. Perform steps (18)(b)–(18)(e) for each 6X, 10X, and 18X. Record the readings on the spreadsheet as D20 and D10.
3. Perform steps (19)–(24) of TG-51 Elekta Solid Water Photon Calibration.

# In Physics

1. Retrieve the binders with Elekta commissioning data.
2. Use the energy, cone size, and depth to find PDD20 and PDD10 (or TMR20 and TMR10) in the binder. Enter these values in the spreadsheet.
3. Verify that PDD20/PDD10 (or TMR20/TMR10) ≈ D20/D10.