

PROGRESS REPORT

tkLayout developers meeting

Stefano MARTINA

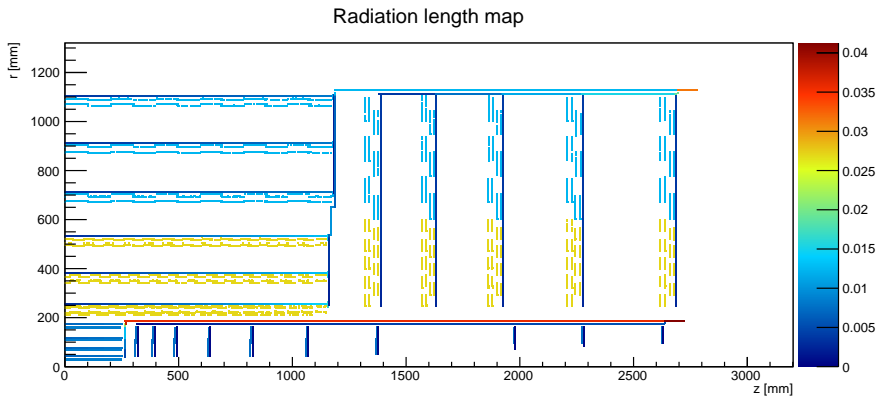
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European Organization for Nuclear Research



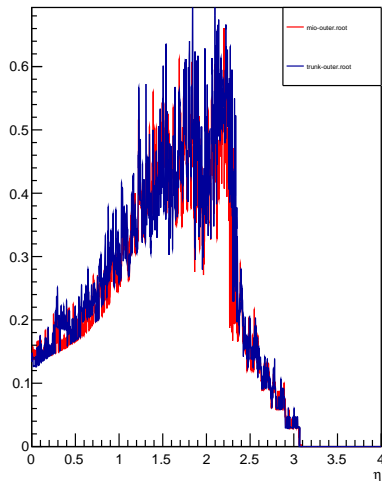
November 21, 2014

Radiation length Technical proposal

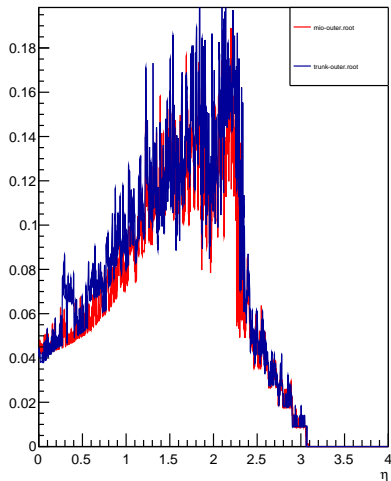


Rad./int. length Tech. prop., outer superimposition

Overall Radiation Length

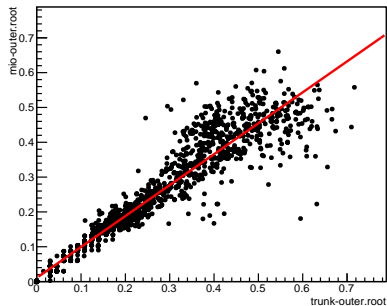


Overall Interaction Length

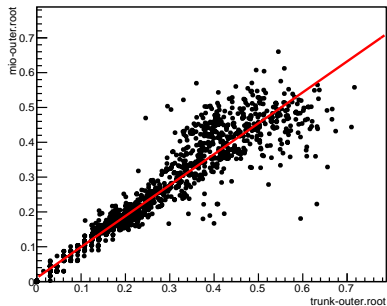


Rad./int. length Tech. prop., outer scattering

Radiation length comparison

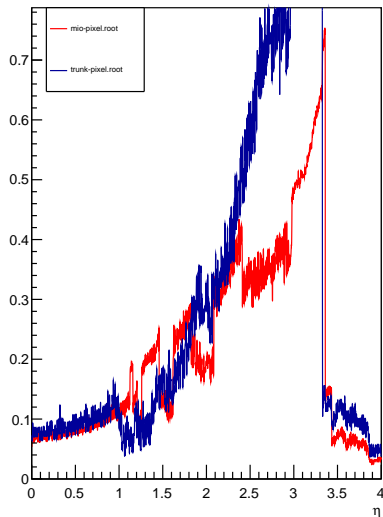


Interaction length comparison

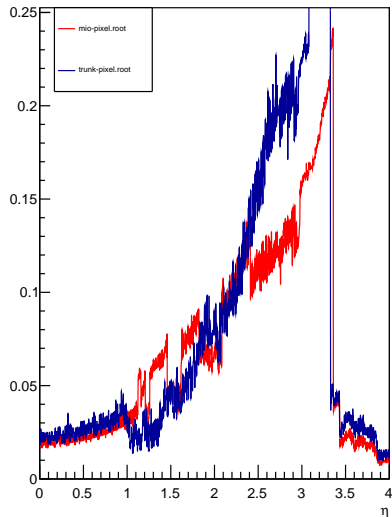


Rad./int. length Tech. prop., pixel superimposition

Overall Radiation Length

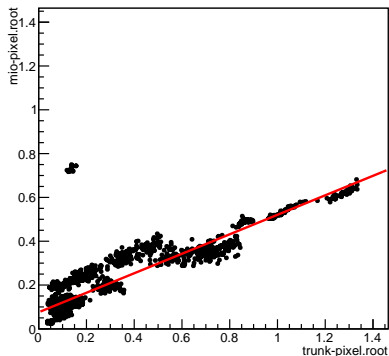


Overall Interaction Length

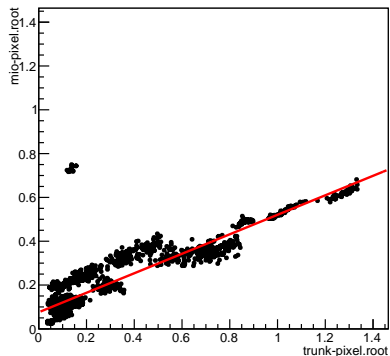


Rad./int. length Tech. prop., pixel scattering

Radiation length comparison

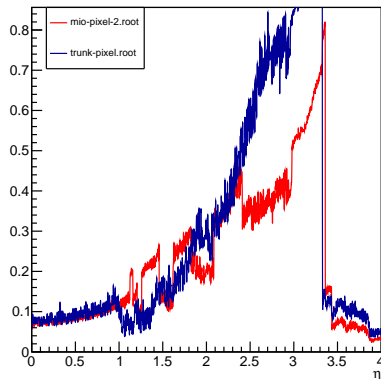


Interaction length comparison

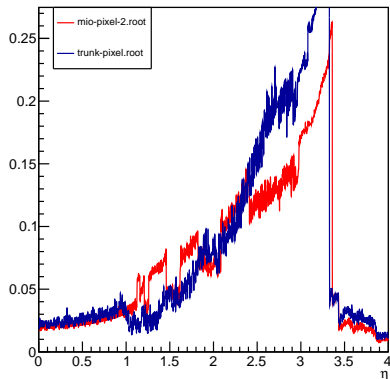


Rad./int. length Tech. prop., pixel 2 superimposition

Overall Radiation Length

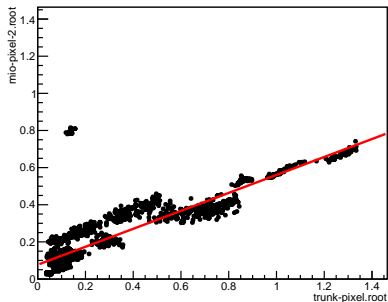


Overall Interaction Length

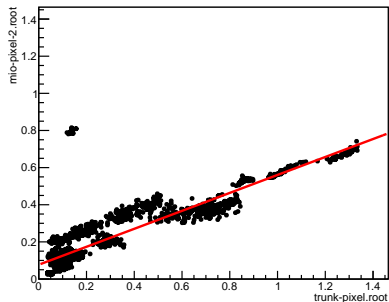


Rad./int. length Tech. prop., pixel 2 scattering

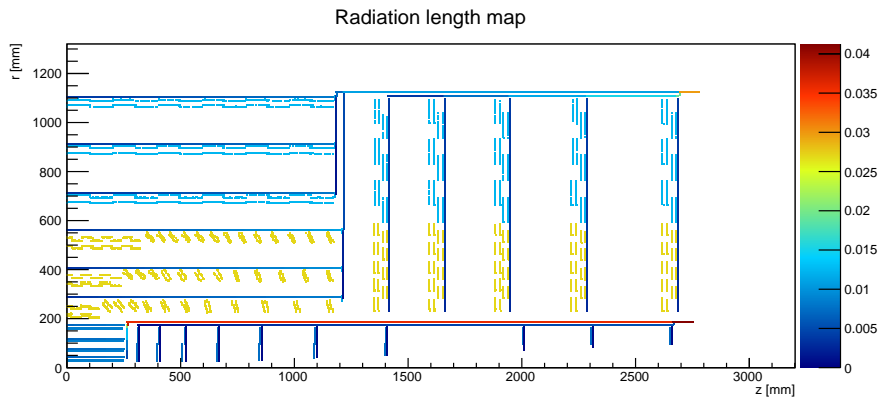
Radiation length comparison



Interaction length comparison

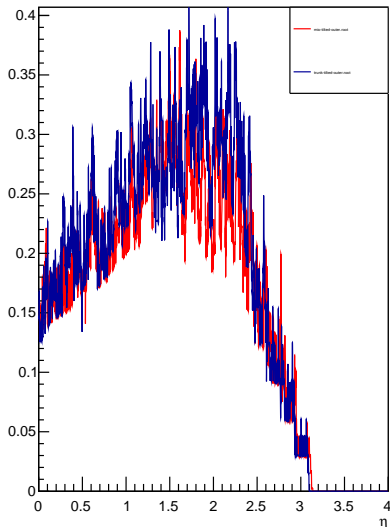


Radiation length Tilted

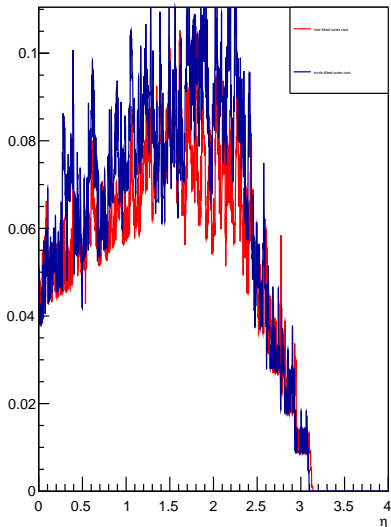


Rad./int. length Tilted, superimposition

Overall Radiation Length

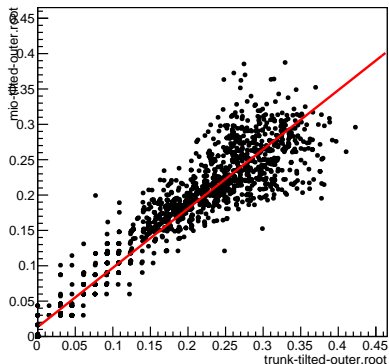


Overall Interaction Length

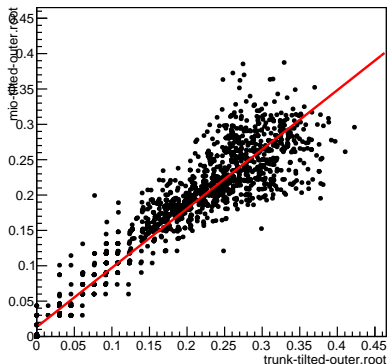


Rad./int. length Tilted, superimposition

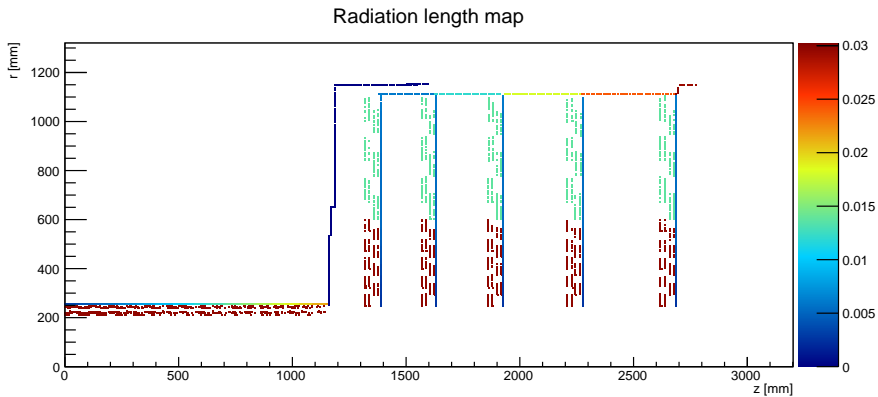
Radiation length comparison



Interaction length comparison



Second level station



Done

- ✓ Corrected scaling error
- ✓ Pixel materials
- ✓ Tested tilted
- ✓ Second level stations

To do

- ✓ Adjust pixel config file?
- ✓ Support structure