

# Multiple scattering in foil as input to Transoptr

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Kate + team

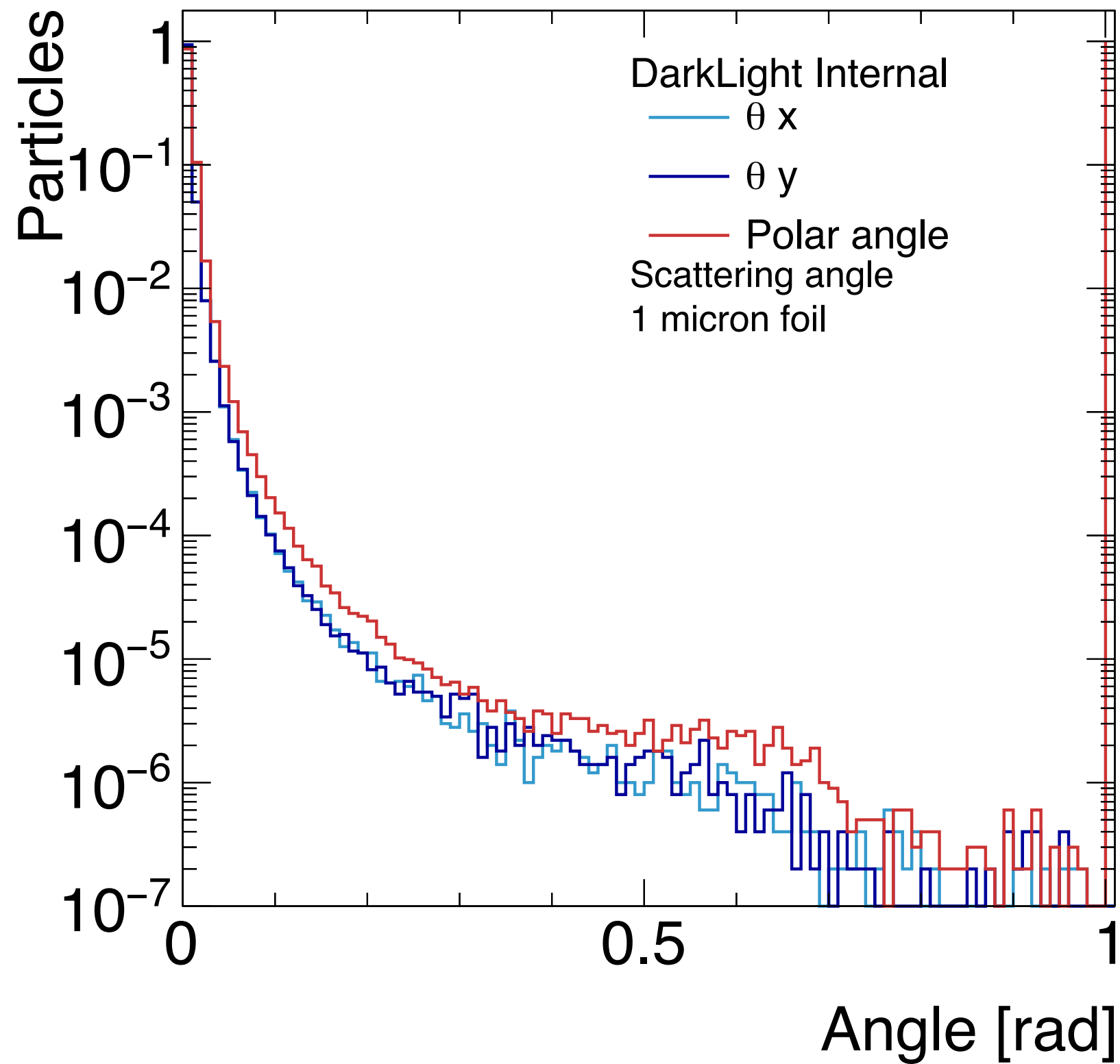
# Update to RMS definition

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- Last week, mentioned that I would follow up with Aveen and Thomas for definition of scattering angle RMS that accelerator folks want
- Definition is:
  - Take vector of outgoing scattered particle
  - Project into xz or yz plane
  - Record angle with respect to z axis of that projection
  - Take RMS of all such angles
- This is indeed different from what I had provided in the past, which was simply RMS of polar angle without any projection

# Update

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30 MeV

RMS  $x = 0.00878$

RMS  $y = 0.00883$

# Energy dependence

