

1e12

Fun4All-EIC + SynRad Simulation  
Photon Interaction Rate  
Internal preview only  
tag production-5-full-beam-full-magnet

- MAPS Vertex: 1.4e+12 Hz
- TPC Tracker: 7.8e+11 Hz
- e-going GEM: 4.8e+10 Hz
- h-going GEM: 4.3e+09 Hz
- Forward Silicon: 6.9e+11 Hz
- Central Pipe: 9.3e+15 Hz

Photon interaction rate per bin /s

0.0

0.2

0.4

0.6

0.8

1.0

1.2

-3

-2

-1

0

1

2

3

Azimuthal angle @ photon crossing beam pipe [rad]

