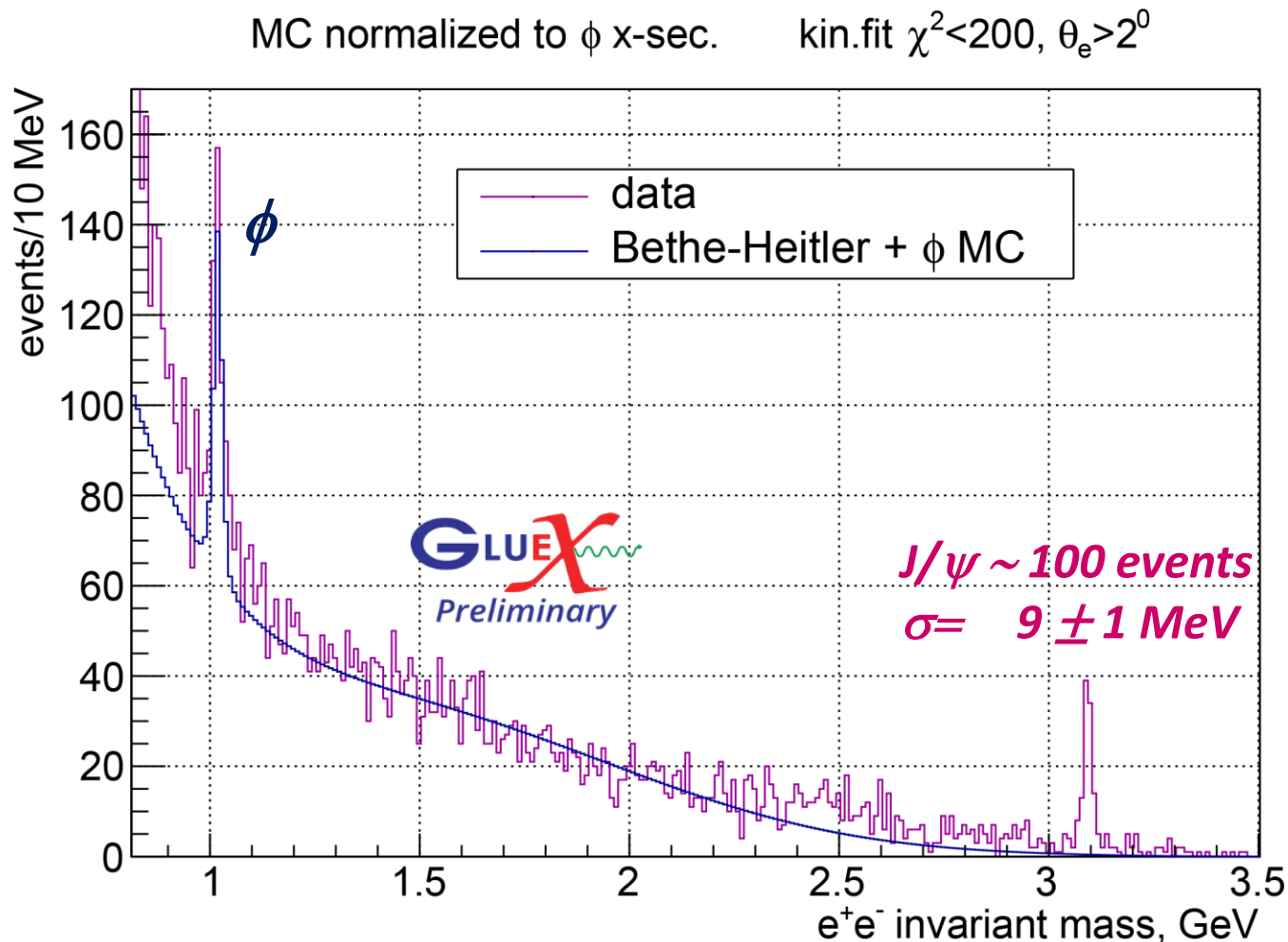


Photoproduction of J/ψ close to threshold with **GLUEX**

- Exclusive reaction $\gamma p \rightarrow p J/\psi$, $J/\psi \rightarrow e^+ e^-$
- Kinematic fit using tagged energy; $e^+ e^-$ PID using calorimeters
- Data from first (engineering) run in 2016



Photoproduction of J/ψ close to threshold with **GLUEX**

- First time cross-section measurements down to the threshold, sensitive to gluons at high x
- Can set limits on pentaquark $P_c(4450)$ yield (6 MeV mass resolution)

