Unfolding of 10% from 2011 - 2020: jun-aug compared to H3a  $6 \times 10^{-2}$  $4 \times 10^{-2}$  $3 \times 10^{-2}$  $E^3 d\phi/dE$  [GeV<sup>2</sup> cm<sup>-2</sup> Honda2006  $2 \times 10^{-2}$ MCEq SIBYLL2.3c MCEq EPOS-LHC MCEq QGSJet-II-04  $10^{-2}$ MCEq DPMJET-III-3.0.6 unfolded IceCube Preliminary ratio to yearly average  $10^2$ 10<sup>3</sup>  $10^{4}$ E/GeV