atmospheric total  $v_e$  flux for exampleflux, tabulated data and spline fits data for  $cos(\theta) = 1$ 10<sup>-4</sup> +10<sup>-11</sup> flux  $\Phi$  [GeV<sup>-1</sup>cm<sup>-2</sup>s<sup>-1</sup>sr<sup>-1</sup>]  $cos(\theta)$ 10<sup>-18</sup> 0.02 0.17 10<sup>-25</sup> 0.34 10<sup>-32</sup> 0.50 0.64 - 10<sup>-39</sup> 0.77 0.87 10<sup>-46</sup> 0.94 10<sup>-53</sup> 0.98 1.00 10<sup>2</sup> 10<sup>8</sup> 10<sup>10</sup> 10<sup>0</sup> 104 10<sup>6</sup> kinetic energy *E* [GeV]

atmospheric total  $v_e$  flux for exampleflux, tabulated data and spline fits

