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ERRATUM: “SEARCH FOR HIGH-ENERGY MUON NEUTRINOS FROM THE “NAKED-EYE” GRB 080319B WITH THE ICECUBE NEUTRINO TELESCOPE” (2009, *ApJ*, 701, 1721)

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We have noticed some mistakes in formulae (A2) and (A5) in the appendix of our paper. The errors are not present in the code used in the analysis and hence none of the plots or results is affected. The correct formulae are

$$F_\gamma(E_\gamma) = \frac{dN(E_\gamma)}{dE_\gamma} \quad (\text{A1})$$

$$= f_\gamma \times \begin{cases} \left(\frac{E_\gamma}{\text{MeV}}\right)^{-\alpha_\gamma} \exp\left(-\frac{E_\gamma}{\epsilon_\gamma}\right) & \text{for } E_\gamma < \epsilon_\gamma(\beta_\gamma - \alpha_\gamma) \\ \left(\frac{E_\gamma}{\text{MeV}}\right)^{-\beta_\gamma} \left[(\beta_\gamma - \alpha_\gamma) \frac{\epsilon_\gamma}{\text{MeV}}\right]^{\beta_\gamma - \alpha_\gamma} \exp(\alpha_\gamma - \beta_\gamma) & \text{for } E_\gamma \geq \epsilon_\gamma(\beta_\gamma - \alpha_\gamma) \end{cases} \quad (\text{A2})$$

$$F_\nu(E_\nu) = \frac{dN(E_\nu)}{dE_\nu} \quad (\text{A4})$$

$$= f_\nu \times \begin{cases} \left(\frac{E_\nu}{\text{GeV}}\right)^{-\alpha_\nu} \exp\left(-\frac{E_\nu}{\epsilon_1}\right) & \text{for } E_\nu < \epsilon_1(\beta_\nu - \alpha_\nu) \\ \left(\frac{E_\nu}{\text{GeV}}\right)^{-\beta_\nu} \left[(\beta_\nu - \alpha_\nu) \frac{\epsilon_1}{\text{GeV}}\right]^{\beta_\nu - \alpha_\nu} \exp(\alpha_\nu - \beta_\nu) & \text{for } \epsilon_1(\beta_\nu - \alpha_\nu) \leq E_\nu < \epsilon_2 \\ \left(\frac{E_\nu}{\epsilon_2}\right)^{-\gamma_\nu} \left[(\beta_\nu - \alpha_\nu) \frac{\epsilon_1}{\text{GeV}}\right]^{\beta_\nu - \alpha_\nu} \exp(\alpha_\nu - \beta_\nu) \left(\frac{\epsilon_2}{\text{GeV}}\right)^{-\beta_\nu} & \text{for } E_\nu \geq \epsilon_2. \end{cases} \quad (\text{A5})$$

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