



Hi, my name is Vu.

Anh Vu Phan

NIKHEF, Radboud University



I'm from Vietnam



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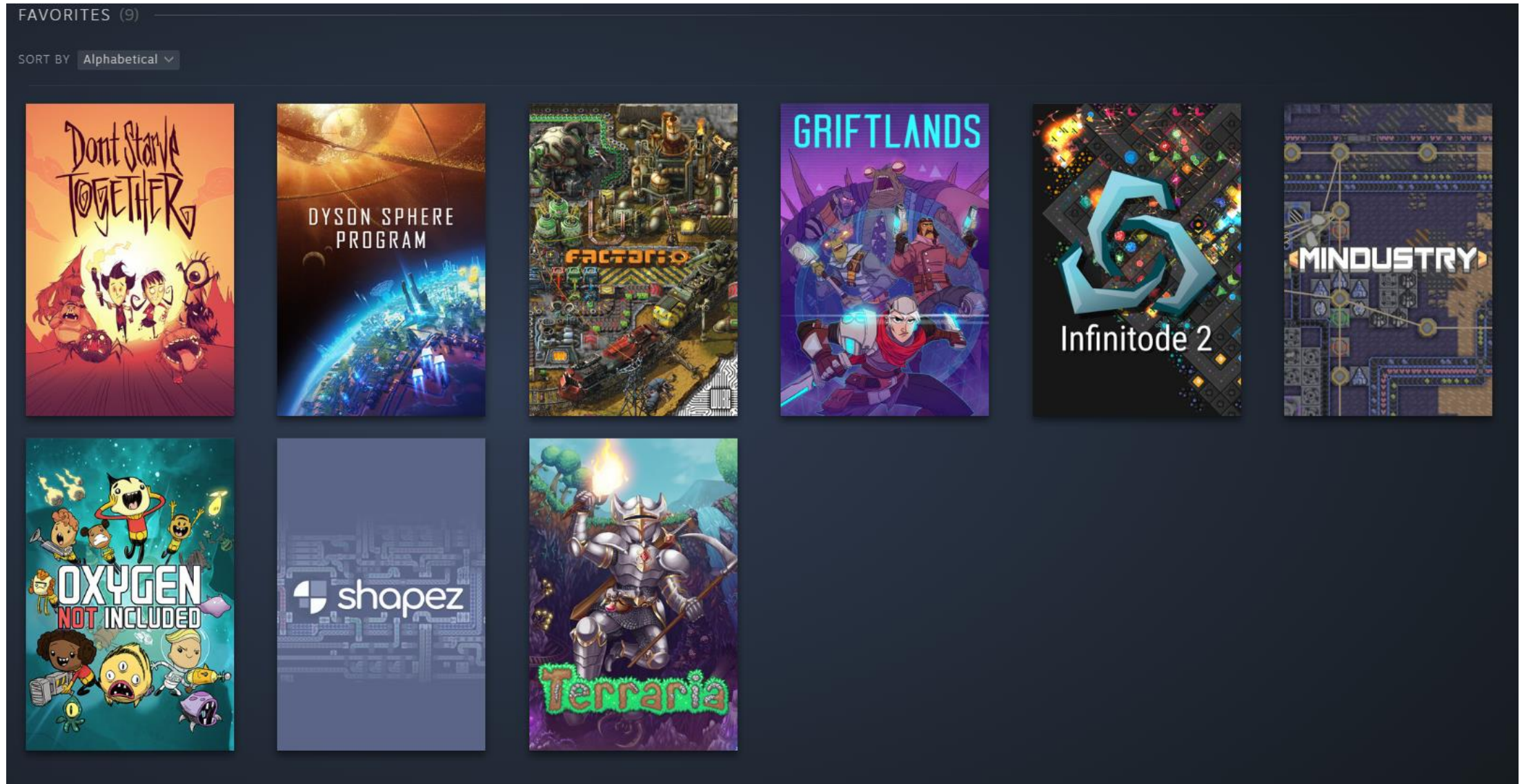
I work at NIKHEF and Radboud University, Netherlands

Nikhef

Radboud Universiteit



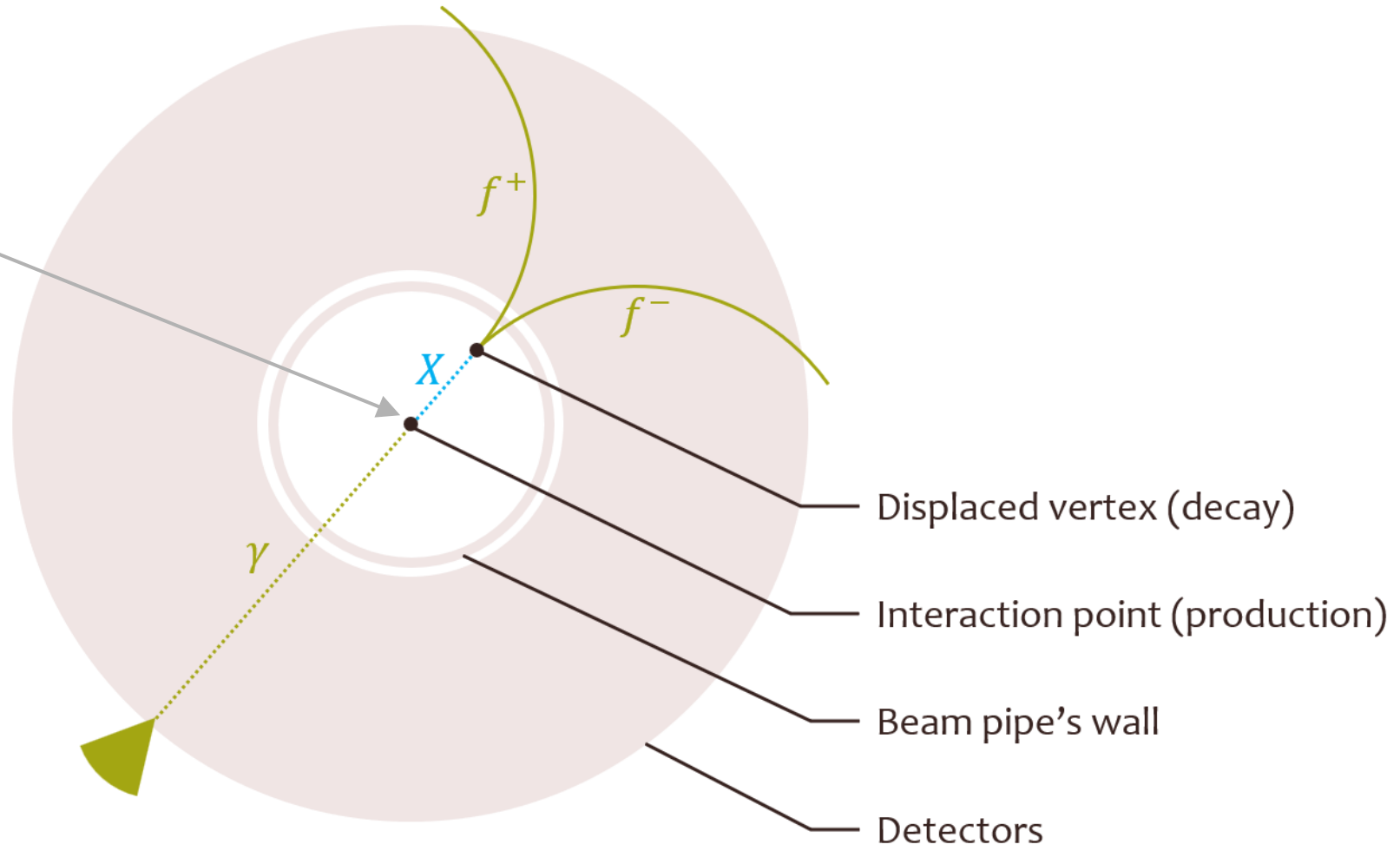
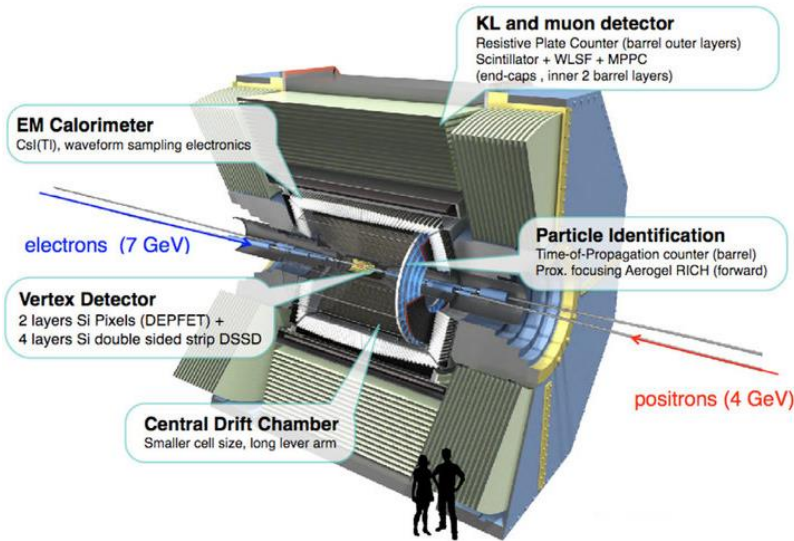
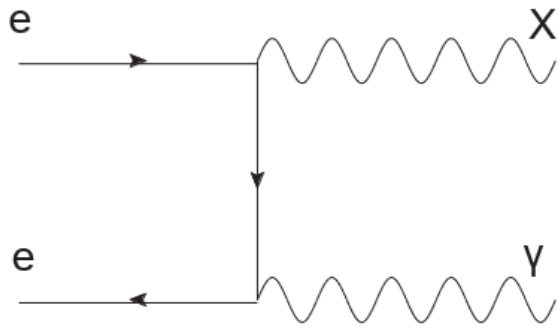
My hobbies are



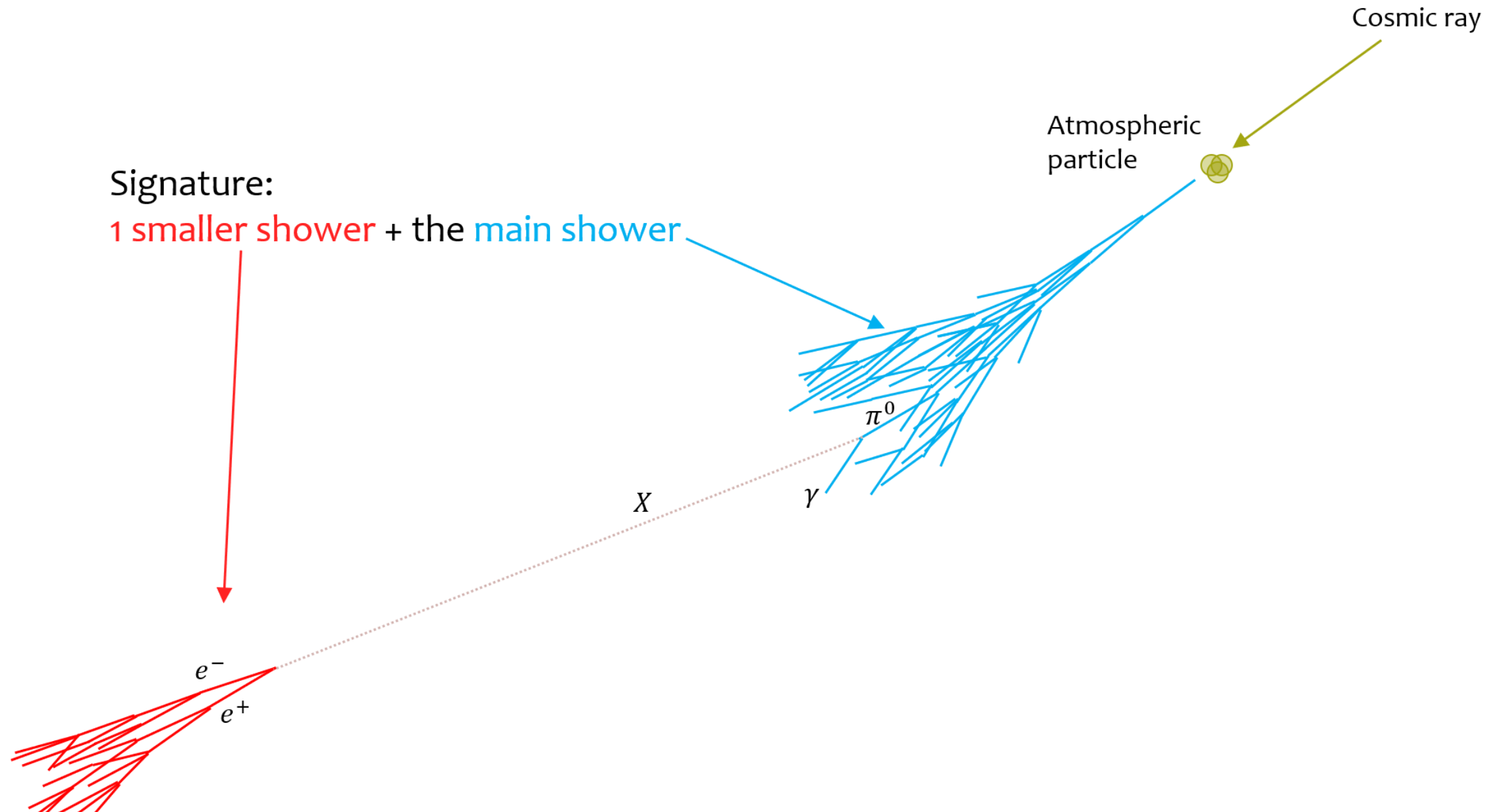
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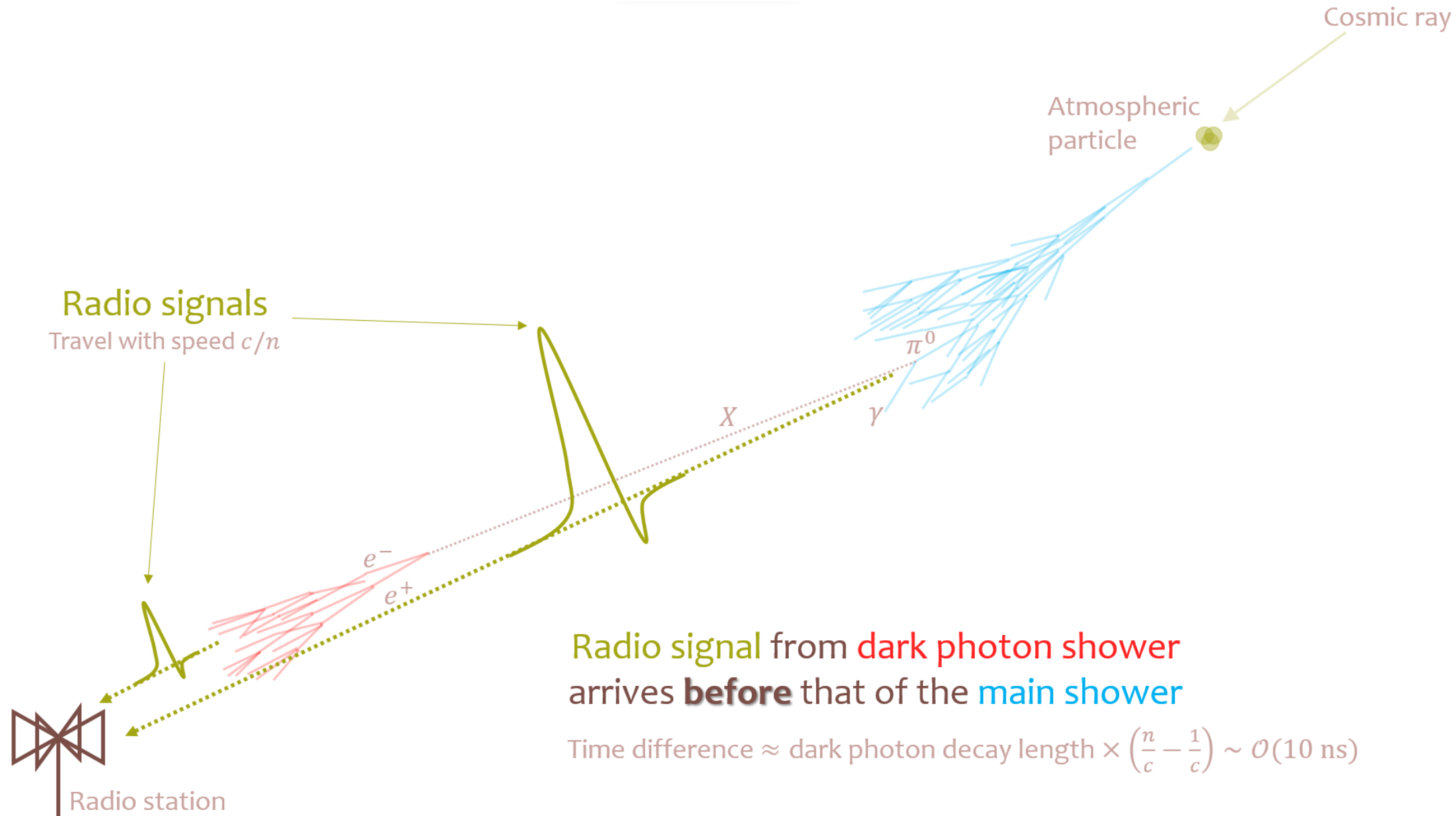
I work on dark photons and ALPs.



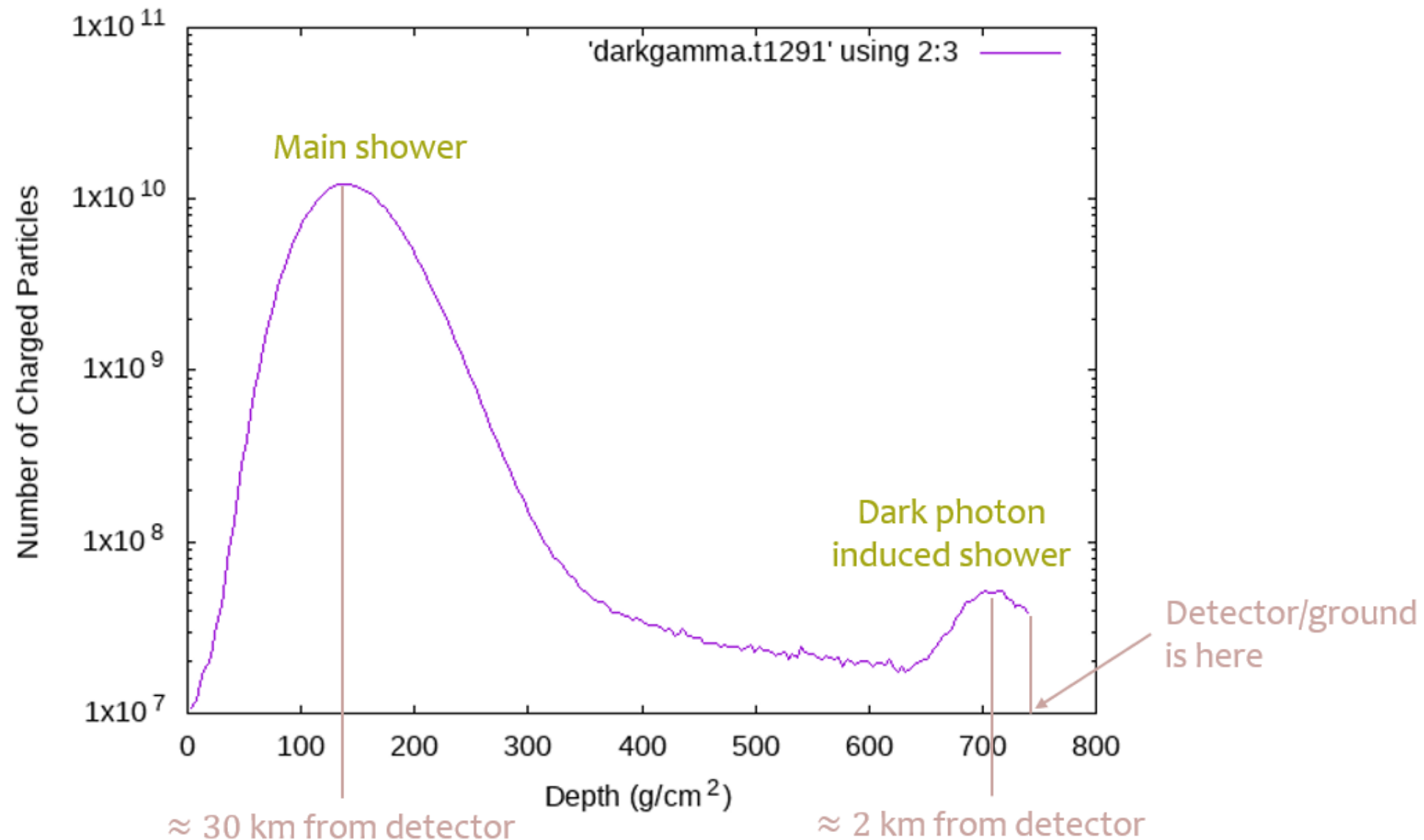
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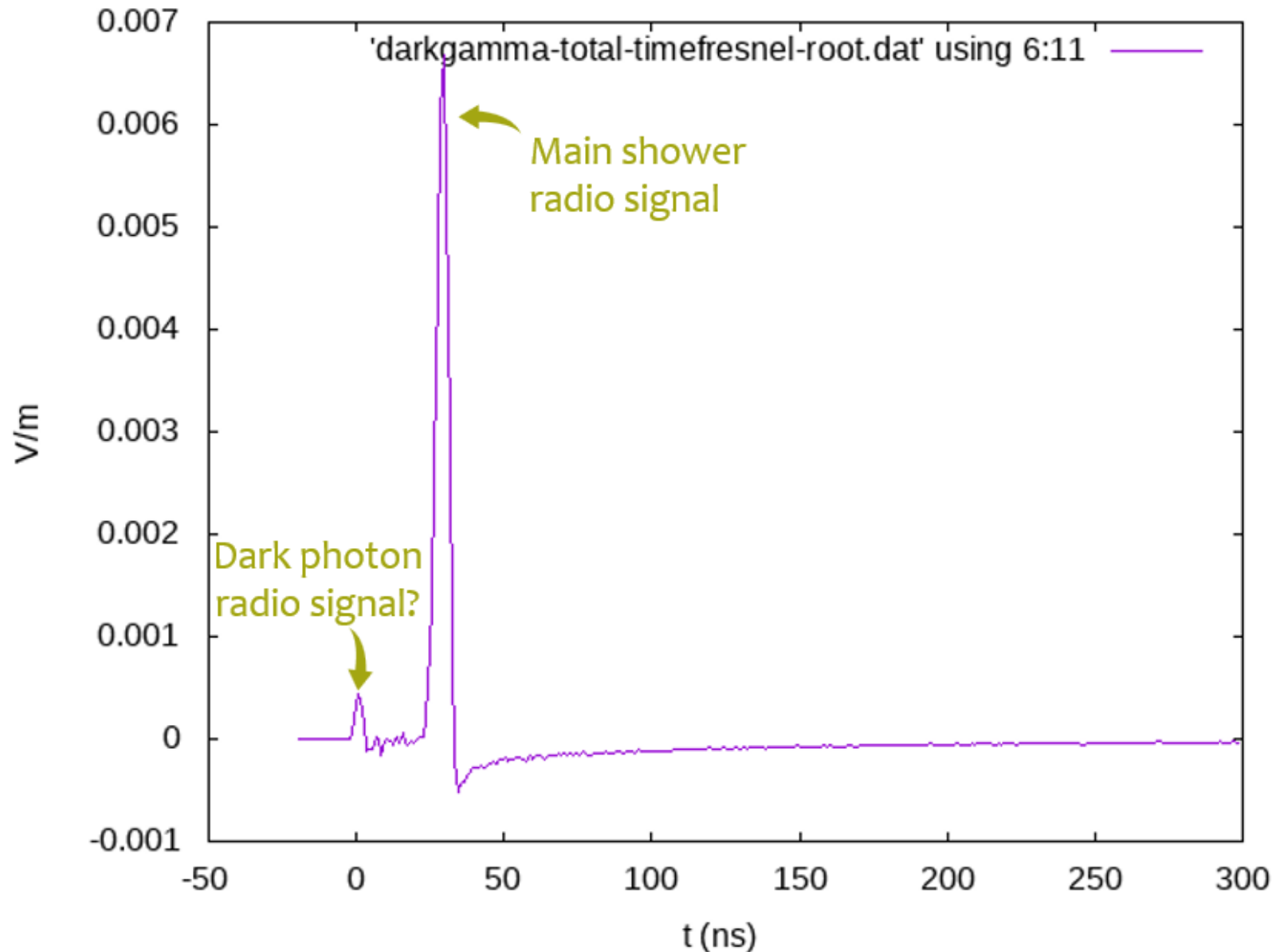
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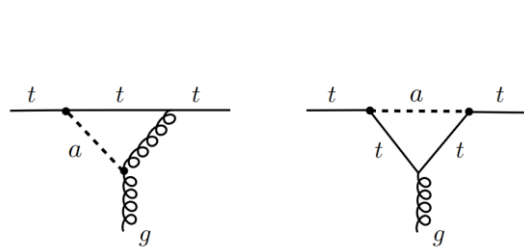
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$$\mathcal{L}_{\text{eff}}^{D \leq 5} = \frac{1}{2} (\partial_\mu a)(\partial^\mu a) - \frac{m_{a,0}^2}{2} a^2 + \frac{\partial^\mu a}{f} \sum_F \bar{\psi}_F \mathbf{c}_F \gamma_\mu \psi_F$$

$$+ c_{GG} \frac{\alpha_s}{4\pi} \frac{a}{f} G_{\mu\nu}^a \tilde{G}^{\mu\nu,a} + c_{WW} \frac{\alpha_2}{4\pi} \frac{a}{f} W_{\mu\nu}^A \tilde{W}^{\mu\nu,A} + c_{BB} \frac{\alpha_1}{4\pi} \frac{a}{f} B_{\mu\nu} \tilde{B}^{\mu\nu}.$$



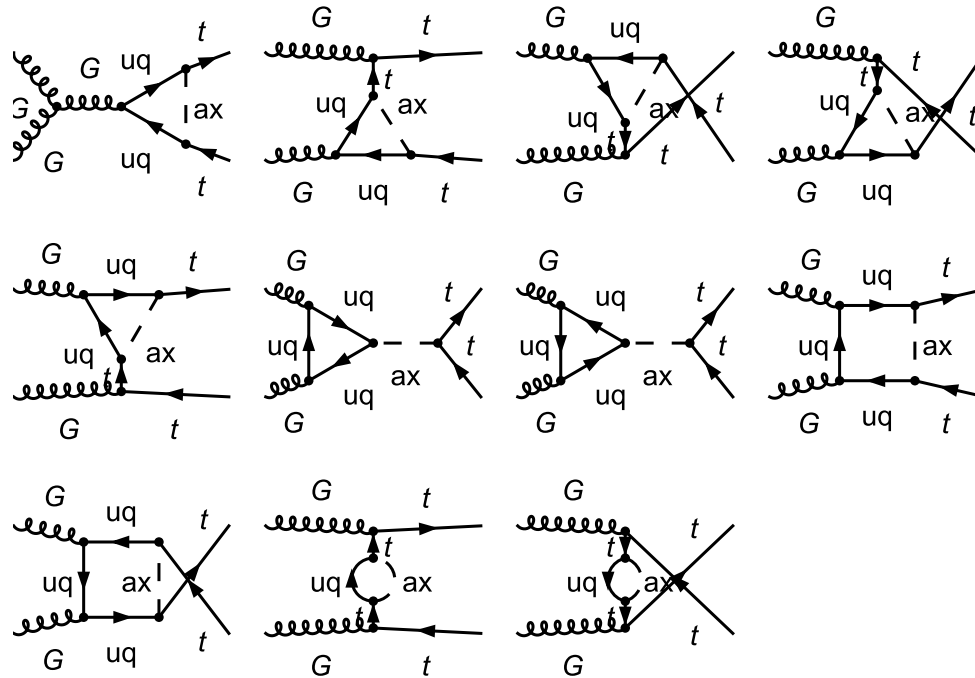
Top chromomagnetic dipole moment

$$\mathcal{L} \supset -\hat{\mu}_t \frac{g_s}{2m_t} \bar{t} \sigma^{\mu\nu} T^a t G_{\mu\nu}^a.$$

Not the whole picture!

Bauer, et al. (2021)

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+ running of SMEFT operators

Thanks!

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