

Physics Colloquium

Professor James Wells

(Physics, University of Michigan)

“Seeking Clues on why Matter won over Anti-matter”

Friday, September 25, 2020

2:30pm—3:30pm

Virtual Meeting

Zoom link: <https://virginiatech.zoom.us/j/96084996911>

One of the most intriguing mysteries of nature is why there is more matter in the universe than anti-matter given that the basic laws of particle physics do not appear to allow for it. One promising direction of explanation attacks the conservation of baryon number, which I will argue is one of the most vulnerable principles in fundamental physics. Forthcoming proton decay and neutron oscillations experiments may reveal much about just how the universe managed to make us and not anti-us.