



High Energy Physics Lunch Seminar

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"Simulating satellite galaxies and their debris in the Milky Way"

Host: Martina Gerbino

April 16, 2019 – 12:00 p.m.-1:00p.m. Building 362/F-108

Abstract:

I will discuss the Auriga simulations, cosmological simulations of Milky Way analogues that include full MHD on a moving mesh. I will focus on satellite galaxies in the Auriga simulations and discuss the processes that shape their star formation histories. I will also discuss their lives after death in the context of their tidal debris and how this debris may appear in phase space and impact our view of the Milky Way galaxy from the solar circle.

HEP Lunch seminar info:

Please use the doodle poll to sign-up for lunch at
<https://doodle.com/poll/646fq2sxhqhfsk6g>

Chicken Sandwich \$8, Sub Sandwich \$9, Salad \$7, Slice of Pizza- \$5 (all include coffee). Coffee 25¢. Pop or Water 75¢.

The HEP Lunch Seminar Schedule can be viewed at:

<https://indico.fnal.gov/event/20372/>