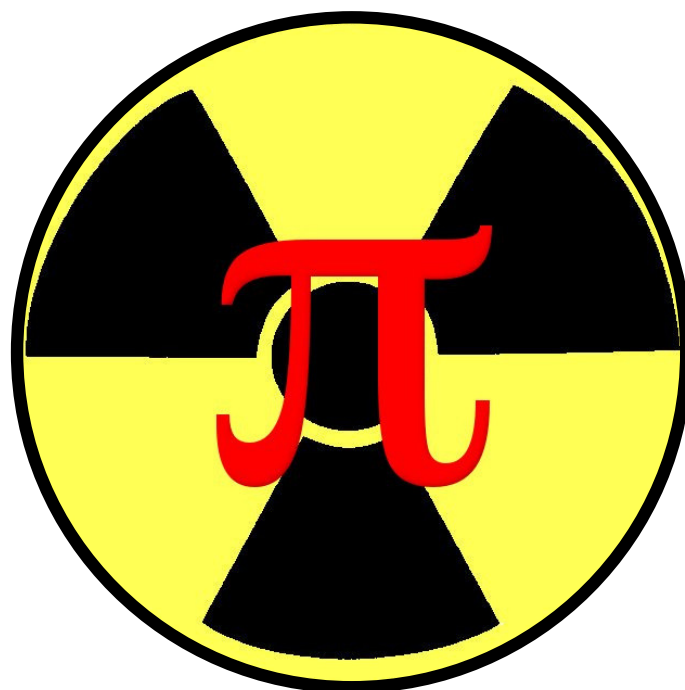# DEPARTMENT OF MATHEMATICS

Fall 2018 Colloquium Series

Radioactive π

Dr. Chris Dugaw

Professor of Mathematics, Humboldt State University

Thursday, September 27, 2018

BSS Room 204, 4:00 PM

Similar to Buffon's famous needle, I will describe an experimental method to estimate π using radioactive material. Surprisingly this method has nothing to do with circles or angles, and the square root is the most complicated function needed. I will review the probability theory needed to prove the method works and demonstrate the procedure using computer simulations.

We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS
building at 3:30 pm on Thursday.