

4CF13-2013-000210

Abstract for an Invited Paper
for the 4CF13 Meeting of
the American Physical Society

Introduction to the Physics of Medical Imaging

JENNIFER STICKEL, Colorado Associates in Medical Physics

This talk will review the basic physics involved in medical imaging. We will cover the range of imaging modalities including radiography, fluoroscopy, computed tomography (CT), Ultrasound, nuclear medicine and MRI. We will also review some of the basic machine properties that take advantage of these physics principles to generate images with varying contrasts.