



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 2048

Type: Oral (Non-Student) / Orale (non-étudiant(e))

First observation of dinosaur skin layers using synchrotron radiation

Thursday 14 June 2018 14:45 (15 minutes)

In this contribution, I will discuss the measurements using synchrotron radiation that led to the discovery of a remarkably well preserved skin layer of a hadrosaur from the Grand Prairie region. This is first ever observation of preserved epidermal skin layers in a large dinosaur. I will also present a direct comparison between these structures and those from an extant avian specimen, giving the first substantial evidence of the similarities between the organic layout of the skins of extinct non-avian and extant avian dinosaurs.

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Session Classification: R3-5 Multimodal and Nonlinear Imaging in Biological Systems (DPMB) |
Imagerie multimodale et non-linéaire dans les systèmes biologiques (DPMB)

Track Classification: Physics in Medicine and Biology / Physique en médecine et en biologie (DPMB-DPMB)