VOLKER BRAUN, Dublin Institute for Advanced Studies *Calabi-Yau Threefolds with Really Small Hodge Numbers*

Calabi-Yau threefolds with small Hodge numbers are natural building blocks for string theory compactifications. They arise also naturally when searching for large fundamental groups. I will present some recently-found Calabi-Yau threefolds with small Hodge numbers and discuss some phenomenological applications.