<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event Description</th>
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<tr>
<td>Friday, January 22, 2016</td>
<td>2:30pm-4:00pm</td>
<td>Borcherds Products Learning Seminar -- Organizational Meeting -- 1096 East Hall</td>
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<td>Friday, February 05, 2016</td>
<td>2:30pm-4:00pm</td>
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<td>Borcherds Products Learning Seminar -- Kartik Prasanna (UM) Chern classes of Heegner divisors -- 1096 East Hall</td>
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Organizational Meeting

Borcherds Products Learning Seminar
Friday, February 05, 2016, 2:30pm-4:00pm
1096 East Hall
Brandon Carter ()
The Big Picture
I will give an overview of some classical lifts from modular forms to Hilbert modular forms, and discuss how these generalize to lifts to modular forms on orthogonal groups.

Borcherds Products Learning Seminar
Friday, February 12, 2016, 2:30pm-4:00pm
1096 East Hall
Igor Dolgachev ()
The Weil representation and vector-valued modular forms
We will give a gentle introduction into the theory of quadratic lattices, hermitian symmetric spaces of orthogonal type and vector-valued modular forms on them.

Borcherds Products Learning Seminar
Monday, February 15, 2016, 3:00pm-4:00pm
4088 East Hall
Charlotte Chan (UM)
Heisenberg groups and the Weil representation
There is a natural action of SL_2 on the Heisenberg group (unipotent upper triangular 3x3 matrices) that gives rise to the Weil representation. We will then write down some explicit formulae for vector-valued modular forms and relate them to classical modular forms.
(We will be very concrete and only discuss SL_2 in this lecture, but it is important to keep in mind that this is a picture that generalizes to Sp_(2n). This is crucial to the construction of Borcherds products.)
Seminar & Events Bulletin: Borcherds Products Learning Seminar
01-01-2016 to 06-30-2016

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1096 East Hall
Andrew Snowden (UM)
Holomorphic and non-holomorphic Poincare series

Borcherds Products Learning Seminar
Monday, February 22, 2016, 3:00pm-4:00pm
4088 East Hall
Andrew Snowden (UM)
Holomorphic and non-holomorphic Poincare series (continued)

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The regularized theta lift

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