

A new web tool for SUSY spectrum comparison

Jérôme ODIER
CPPM

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You can include this tool into you own webpage.

The screenshot shows a web browser window titled "GDR TERASCALE - DEMO - Mozilla Firefox". The address bar shows the file path "file:///C:/Users/Jérôme ODIER/Desktop/index.htm". The page content includes the title "GDR TERASCALE - DEMO" and links for "softsusy 2.0.18", "spheeno 2.2.3", and "suspect 2.41". Below these links is an "Input" dropdown menu set to "mSUGRA". The main form is divided into two sections: "SUSY input" and "SM input".

SUSY input		
m_0	<input type="text" value="100"/>	GeV
$m_{1/2}$	<input type="text" value="250"/>	GeV
A_0	<input type="text" value="-100"/>	GeV
$\tan(\beta)$	<input type="text" value="10"/>	$\in [1.6, 50]$
$\text{sign}(\mu)$	<input type="text" value="+1"/>	

SM input		
m_t	<input type="text" value="175"/>	GeV
m_b	<input type="text" value="4.2"/>	GeV
α_s	<input type="text" value="0.1172"/>	

At the bottom of the form are two buttons: "reset" and "submit". The status bar at the bottom of the browser window displays "Terminé".

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- Using JavaScript

Initialization:

```
<script type="text/javascript"  
    src="http://www.odier.eu/public/spectrum/spectrum_js.php"></script>
```

Display the versions:

```
<script type="text/javascript">  
    __spectrum_version();  
</script>
```

Display the interface:

```
<script type="text/javascript">  
    __spectrum_display();  
</script>
```

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- Using PHP

Display the interface:

```
<?php
$action = 'URL_OF_YOUR_WEBPAGE';
include('http://www.odier.eu/public/spectrum/index.php');
?>
```

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<http://www.odier.eu/en/spectrum/>