

```
<!--
this XML file serves for the
statistical interpretation of the
MA5 simulation.
it lists the number of observed
events <nobs>, number of expected
backgrounds <nb>
and number of background
uncertainty <deltanb> in each of
the regions
-->
```

```
<!--
to be put in the same directory as
the analysis code,
i.e. Build/SampleAnalyzer/User/
Analyzer/
-->
```

```
<analysis id="atlas_susy_2018_32">
  <lumi>139.0</lumi> <!-- in fb-1
-->
```

```
  <region type="signal"
id="SR_DF_0J_MT2_100_inf">
    <nobs>95</nobs>
    <nb>96</nb>
    <deltanb_stat>2.88</
deltanb_stat>
```

```
    <deltanb_syst>14.4</  
deltanb_syst>  
  </region>
```

```
  <region type="signal"  
id="SR_DF_0J_MT2_160_inf">  
    <nobs>21</nobs>  
    <nb>18.8</nb>  
    <deltanb>2.4</deltanb>  
  </region>
```

```
  <region type="signal"  
id="SR_DF_0J_MT2_100_120">  
    <nobs>47</nobs>  
    <nb>45</nb>  
    <deltanb>9</deltanb>  
  </region>
```

```
  <region type="signal"  
id="SR_DF_0J_MT2_120_160">  
    <nobs>27</nobs>  
    <nb>33</nb>  
    <deltanb>5</deltanb>  
  </region>
```

```
  <region type="signal"  
id="SR_DF_1J_MT2_100_inf">  
    <nobs>75</nobs>  
    <nb>75.0</nb>
```

```
    <deltanb_stat>2.25</  
deltanb_stat>  
    <deltanb_syst>9.0</  
deltanb_syst>  
</region>
```

```
<region type="signal"  
id="SR_DF_1J_MT2_160_inf">  
  <nobs>15</nobs>  
  <nb>15.1</nb>  
  <deltanb>2.7</deltanb>  
</region>
```

```
<region type="signal"  
id="SR_DF_1J_MT2_100_120">  
  <nobs>38</nobs>  
  <nb>39.0</nb>  
  <deltanb>6.0</deltanb>  
</region>
```

```
<region type="signal"  
id="SR_DF_1J_MT2_120_160">  
  <nobs>22</nobs>  
  <nb>21.3</nb>  
  <deltanb>2.8</deltanb>  
</region>
```

```
<region type="signal"  
id="SR_SF_0J_MT2_100_inf">
```

```
<nobs>147</nobs>
<nb>144</nb>
<deltanb_stat>2.88</
deltanb_stat>
<deltanb_syst>11.52</
deltanb_syst>
</region>
```

```
<region type="signal"
id="SR_SF_0J_MT2_160_inf">
<nobs>37</nobs>
<nb>37.3</nb>
<deltanb>3.0</deltanb>
</region>
```

```
<region type="signal"
id="SR_SF_0J_MT2_100_120">
<nobs>53</nobs>
<nb>56</nb>
<deltanb>6.0</deltanb>
</region>
```

```
<region type="signal"
id="SR_SF_0J_MT2_120_160">
<nobs>57</nobs>
<nb>51</nb>
<deltanb>5.0</deltanb>
</region>
```

```
<region type="signal"
id="SR_SF_1J_MT2_100_inf">
  <nobs>120</nobs>
  <nb>124</nb>
  <deltanb_stat>3.72</
deltanb_stat>
  <deltanb_syst>12.4</
deltanb_syst>
</region>
```

```
<region type="signal"
id="SR_SF_1J_MT2_160_inf">
  <nobs>29</nobs>
  <nb>36</nb>
  <deltanb>5.0</deltanb>
</region>
```

```
<region type="signal"
id="SR_SF_1J_MT2_100_120">
  <nobs>55</nobs>
  <nb>48</nb>
  <deltanb>8.0</deltanb>
</region>
```

```
<region type="signal"
id="SR_SF_1J_MT2_120_160">
  <nobs>36</nobs>
  <nb>40</nb>
  <deltanb>4.0</deltanb>
```

</region>

</analysis>