**GROMACS - Task #3057**

**re-enable fusion on Power8/9**

08/12/2019 11:41 AM - Szilárd Páll

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
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<tbody>
<tr>
<td>Priority:</td>
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</tr>
<tr>
<td>Assignee:</td>
<td>Szilárd Páll</td>
</tr>
<tr>
<td>Category:</td>
<td>build system</td>
</tr>
<tr>
<td>Target version:</td>
<td>2021</td>
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<td>Difficulty:</td>
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**Description**

IBM has contributed fixes for the -mpowerX-fusion optimization-related bug in gcc which will be released with version 9.2. The fix should be verified and flags for Power 8 and 9 added back to restore performance.

**Related issues:**
- Related to GROMACS - Bug #2747: nb_kernel_ElecEwSw_VdwBhamSw_GeomW4W4 regress... Closed
- Related to GROMACS - Bug #2746: regressiontests/freeenergy coulandvdwsequential_vdw... Closed
- Related to GROMACS - Bug #2734: regressiontests/kernel core dumps on ppc64le In Progress

**History**

#1 - 08/12/2019 11:41 AM - Szilárd Páll
- Related to Bug #2747: nb_kernel_ElecEwSw_VdwBhamSw_GeomW4W4 regressiontest failing on Power8 added

#2 - 08/12/2019 11:41 AM - Szilárd Páll
- Related to Bug #2746: regressiontests/freeenergy coulandvdwsequential_vdw failing on Power8 added

#3 - 08/12/2019 11:41 AM - Szilárd Páll
- Related to Bug #2734: regressiontests/kernel core dumps on ppc64le added

#4 - 12/27/2019 04:22 PM - Paul Bauer
- Target version changed from 2020 to 2021