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For GITLAB:

modified tdr_diff script

If you already have the svn tdr_diff area (see SVN section below to download and extract the tarball), you can use this script attached as a drop-in replacement: place it in the same directory as the tdr_diff script, and do:

```
./gtdr_diff [path] [old commit] [new commit]
```

manually

These instructions are for lxplus (Thanks to Emilien & Rui)

0. `scl enable rh-git29 bash`

1. edit: `utils/general/cms-tdr.cls` under the `"\usepackage{ptdr-definitions}"`, put in the following

```
\RequirePackage[normalem]{ulem} %DIF PREAMBLE
\RequirePackage{color}
```

2. `PATH=/cvmfs/cms.cern.ch/external/tex/texlive/2017/bin/x86_64-linux/:$PATH`

3. Find out the version you want to use as reference via `"git log HIN-XX-YYY.tex"`

for example you want to compare the current version with version `b174241c04ff018b67e600b4d3acde00`

4. Run: `latexdiff-vc -r b174241c04ff018b67e600b4d3acde00816c3c0b --append-context2cmd="abstract"`

this will create a `texft` file: `HIN-18-009-diffb174241c04ff018b67e600b4d3acde00816c3c0b.tex` (HIN-X

N.B.: The option `--flatten` can be used to expand the base `tex` file out if you include `tex` from

5. manually add the following line into this newly created `tex` file:

```
\definecolor{RED}{rgb}{1,0,0}\definecolor{BLUE}{rgb}{0,0,1} %DIF PREAMBLE
\providecommand{\DIFadd}[1]{\protect\color{blue}\uwave{#1}} %DIF PREAMBLE
\providecommand{\DIFdel}[1]{\protect\color{red}\sout{#1}} %DIF PREAMBLE
%DIF SAFE PREAMBLE %DIF PREAMBLE
\providecommand{\DIFaddbegin}{} %DIF PREAMBLE
\providecommand{\DIFaddend}{} %DIF PREAMBLE
\providecommand{\DIFdelbegin}{} %DIF PREAMBLE
\providecommand{\DIFdelend}{} %DIF PREAMBLE
%DIF FLOATSAFE PREAMBLE %DIF PREAMBLE
\providecommand{\DIFaddFL}[1]{\DIFadd{#1}} %DIF PREAMBLE
\providecommand{\DIFdelFL}[1]{\DIFdel{#1}} %DIF PREAMBLE
\providecommand{\DIFaddbeginFL}{} %DIF PREAMBLE
\providecommand{\DIFaddendFL}{} %DIF PREAMBLE
\providecommand{\DIFdelbeginFL}{} %DIF PREAMBLE
\providecommand{\DIFdelendFL}{} %DIF PREAMBLE
```

6. Compile again, to create the colorful diff: `utils/tdr b HIN-18-009-diffb174241c04ff018b67e600b4`

The diff file will be created, but look carefully in the spit-out on the screed to see the locati

For SVN:

TDR Diff Utility instructions

NOTE 2017-09-01: Note that if this utility gives you problems, there is also a generic tdrDiff utility developed by Luca Perrozzi here: <https://github.com/perrozzi/tdrdiff>

WARNING: PLEASE, use this tool on lxplus (it works out of the box, and without fault on lxplus). On private laptop might get into problems that would require more time to fix/set.

This code takes two svn versions of a CMS paper and runs the latexdiff utility on each included .tex file to create a comparison of two versions of the paper, highlighted by blue and red text showing additions and deletions, respectively. An example of an output of the utility can be found here (pdf).

To use the utility:

- Download the tarball, from here and extract it.
- Go to the extracted directory
- Run the script via

```
./tdr_diff [relative path to paper/AN directory] [old svn tag] [new svn tag]
```

For example:

```
./tdr_diff ../pPb_cJet/papers/HIN-15-012 364180 364411
```

To see the svn history of a paper, just use

```
svn log
```

Gotchas

- Please run the utility within the tdr_diff directory - i.e. the same directory that the latexdiff and Algorithm-Diff-1.15 directories are in, else the script will fail.
- The utility finds the CADi line by looking for an instance of "HIN" in the path to the paper. If you have multiple instances of "HIN" or if you're compiling a paper outside of the HI group, you can hard-code line 70 to be the proper line for your paper.
- This utility assumes your tdr script is in the /papers or the /notes directory in the path provided. If you have an alternate directory structure, you'll need to modify the script.

-- KurtJung - 2016-08-15

This topic: Main > TdrDiffInstr

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